			·		
	PO	OR LEG	IBILITY		
					·
ONE OR M	IORE PAGES IN				TO READ
	DUE TO TH	E QUALITY	OF THE ORI	GINAL	
•					
				•	
		•		•	
,			,		
		-			
					e e
		•		•	
,					

SFUND RECORDS CTR 2322056

A192



50 Beale Street San Fráncisco, CA 94105-1895 Mailing address: P.O. Box 193965 San Francisco, CA 94119-3965

REFERENCES

for

Preliminary Assessment/Site Inspection

Site: Kustom Fit Hi-Tech Seating Products, Inc.

8990 Atlantic Ave. South Gate, CA 90280

Site EPA ID Number: CAD 983576190

Work Assignment Number: 60-15-9J00, ARCSWEST Program

Submitted to: Philip Armstrong

Work Assignment Manager

EPA Region IX

Date: September 8, 1994

Prepared by: Maynard Geisler ///(__

Review and Concurrence: Catherine C. Walton



REFERENCE LIST (Cont'd)

Site: Kustom Fit Hi-Tech Seating Products, Inc.

- 29. Long, Randy, Tract 180 Water Company, Telephone conversation recorded on Contact Report by Virginia Demetrios, Bechtel Environmental, Inc., April 18, 1994.
- 30. Provencal, Edwina, Tract 349 Mutual Water Company, Telephone conversation recorded on Contact Report by Virginia Demetrios, Bechtel Environmental, Inc., April 15, 1994.
- 31. Nguyen, Van, City of Lynwood Department of Water, Telephone conversation recorded on Contact Report by Maynard Geisler, Bechtel Environmental, Inc., April 25, 1994.
- 32. Vasquez, Tony, City of Downey Water Division, Telephone conversation recorded on Contact Report by Maynard Geisler, Bechtel Environmental, Inc., April 20, 1994.
- 33. Borden, Janet, Walnut Park Mutual Water Company, Telephone conversation recorded on Contact Report by Virginia Demetrios, Bechtel Environmental, Inc., April 18, 1994.
- 34. California Division of Water Resources, Well Log 1514A, October 19, 1948.
- 35. Tomaier, Lubo, City of South Gate, Department of Public Works, Discussion recorded on Contact Log, August 16, 1994.
- 36. Montano, Art, Los Angeles Health Department, Office of Drinking Water, Telephone conversation recorded on Contact Report by Deborah Tharp, Bechtel Environmental, Inc., December 2, 1992.
- 37. Maxwell, Dwayne, C., California Department of Fish and Game, Telephone conversation recorded on Contact Report by Deborah Tharp, Bechtel Environmental, Inc., December 2, 1992.
- 38. California Department of Fish and Game, Natural Diversity Database, 1991.
- 39. Bureau of Census, 1980 census, 1985 population projection.

REFERENCE LIST (Cont'd)

Site: Kustom Fit Hi-Tech Seating Products, Inc.

- 15. Morgan, Captain, Los Angeles County Fire Department, Station 54, Discussion recorded on Contact Log, August 5, 1994.
- 16. Garret, Bill, County Sanitation District of Los Angeles County, Discussion recorded on Contact Log, August 23, 1994.
- 17. Certified Testing Laboratory, Inc., Analytical Report, November 2, 1993.
- 18. Certified Testing Laboratory, Inc., Analytical Report, June 13, 1994.
- 19. Hunter, John, City of South Gate, Department of Public Works, Telephone conversation recorded on Contact Report by Maynard Geisler, Bechtel Environmental, Inc. August 15, 1994.
- 20. Bechtel Environmental, Inc., Letter to Lisa Nelson, U.S. Environmental Protection Agency, Region IX, December 16, 1993.
- 21. California Division of Water Resources, Water Well Driller Report 3S/12W-6B3, May 30, 1952.
- 22. Armijo, Bency, City of Huntington Park, Department of Public Works, Telephone conversation recorded on Contact Report by Virginia Demetrios, Bechtel Environmental, Inc., April 25, 1994.
- 23. Goclowski, Clara P., Southern California Water Company, Letter to Heather L. McAdams (with attachments), Bechtel Environmental, Inc., May 13, 1994.
- 24. Chambers, John, City of South Gate, Public Works Department, Telephone conversation recorded on Contact Report by Maynard Geisler, Bechtel Environmental, Inc., May 3, 1994.
- 25. Yasutake, Adrian, City of Vernon Water Department, Telephone conversation recorded on Contact Report by Virginia Demetrios, Bechtel Environmental, Inc., April 14, 1994.
- 26. Jewett, Monte, Maywood Mutual Water Company No. 1, Telephone conversation recorded on Contact Report by Maynard Geisler, Bechtel Environmental, Inc., April 20, 1994.
- 27. Rickabaugh, Warren, Maywood Mutual Water Company 2, Telephone conversation recorded on Contact Report by Virginia Demetrios, Bechtel Environmental, Inc., April 18, 1994.
- 28. Fick, Ronald, Maywood Mutual Water Company 3, Telephone conversation recorded on Contact Report by Virginia Demetrios, Bechtel Environmental, Inc., April 14, 1994.

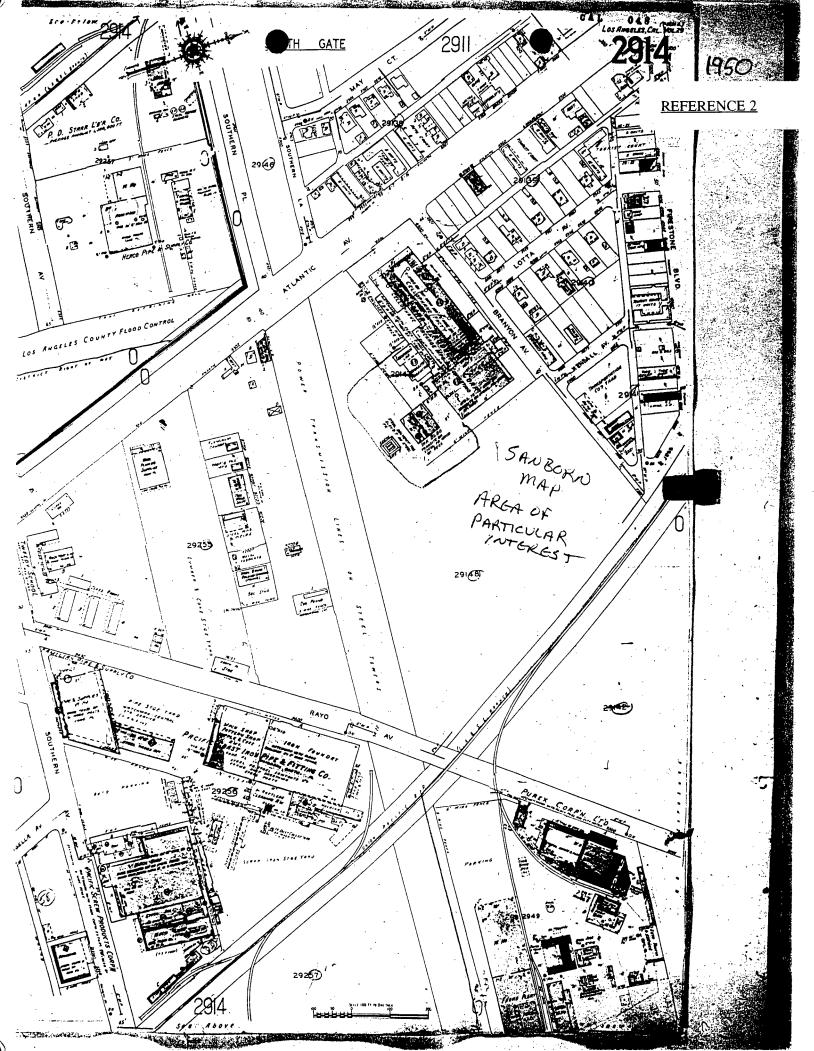
REFERENCE LIST (Cont'd)

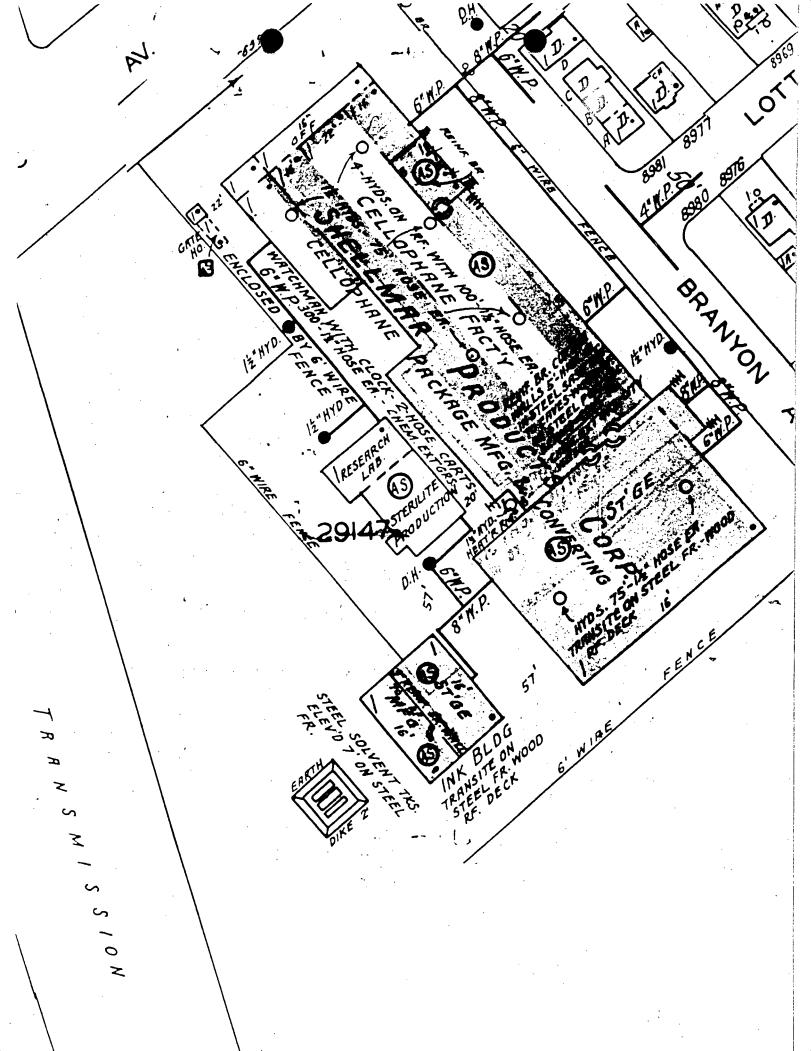
Site: Kustom Fit Hi-Tech Seating Products, Inc.

- 29. Long, Randy, Tract 180 Water Company, Telephone conversation recorded on Contact Report by Virginia Demetrios, Bechtel Environmental, Inc., April 18, 1994.
- 30. Provencal, Edwina, Tract 349 Mutual Water Company, Telephone conversation recorded on Contact Report by Virginia Demetrios, Bechtel Environmental, Inc., April 15, 1994.
- 31. Nguyen, Van, City of Lynwood Department of Water, Telephone conversation recorded on Contact Report by Maynard Geisler, Bechtel Environmental, Inc., April 25, 1994.
- 32. Vasquez, Tony, City of Downey Water Division, Telephone conversation recorded on Contact Report by Maynard Geisler, Bechtel Environmental, Inc., April 20, 1994.
- 33. Borden, Janet, Walnut Park Mutual Water Company, Telephone conversation recorded on Contact Report by Virginia Demetrios, Bechtel Environmental, Inc., April 18, 1994.
- 34. California Division of Water Resources, Well Log 1514A, October 19, 1948.
- 35. Tomaier, Lubo, City of South Gate, Department of Public Works, Discussion recorded on Contact Log, August 16, 1994.
- 36. Montano, Art, Los Angeles Health Department, Office of Drinking Water, Telephone conversation recorded on Contact Report by Deborah Tharp, Bechtel Environmental, Inc., December 2, 1992.
- 37. Maxwell, Dwayne, C., California Department of Fish and Game, Telephone conversation recorded on Contact Report by Deborah Tharp, Bechtel Environmental, Inc., December 2, 1992.
- 38. California Department of Fish and Game, Natural Diversity Database, 1991.
- 39. Bureau of Census, 1980 census, 1985 population projection.

EPA REGION IX - CERCLIS SITES LIST-8 REPORT FOR REGION IX SORTED BY SITE NAME REPORT NAME: QZNNTS9.RWBUILD.DATA(L8SUBEVT)

		1121 0111								
EPA ID & SITE NAME STREET CITY, COUNTY CODE		STATE ZIP CONG DIST	EVENT QUALIF	OP UN	EVENT TYPE	ACTUAL START DATE	ACTUAL COMPLETE DATE	CURRENT EVENT LEAD	SUB SUBEVENTEVT COMPLETO	
			•							
CAD009164021 SHELL OIL CO MARTI MARINA VISTA AVE MARTINEZ 013 CONTRA COSTA	INEZ	CA 94553 CA-07	N	00	DS1 PA1		11/01/79 02/14/89	EPA (FUND) EPA (FUND)	7 &	N
CAD980677363 SHELL OIL CO TAYLO 3587 N VENTURA AVI VENTURA 111 VENTURA	OR LSE E	CA 93001 CA-19	N	00	DS1 PA1	08/01/85	06/01/81 01/01/86	EPA (FUND) STATE(FUND)	マダイン	N
CAD980881676 SHELL OIL CO WILM 1622 SEPULVEDA WILMINGTON 037 LOS ANGELES	INGTON REF	CA 90744 CA-32	L	00	DS1 PA1 PA2 PA3		11/01/79 03/01/84 12/29/88 01/08/91	EPA (FUND) EPA (FUND) EPA (FUND)	SIT WENT	N
CAD980636823			N N		PA4		01/28/91	EPA (FUND)	echy	
SHELL OIL GORE B SEC 21 T31S R22E KERN CO 029 KERN		CA 93224 CA-18	N	00	DS1 PA1	08/01/84	06/01/81 02/01/85	EPA (FUND) STATE(FUND)		• N
CAD983576190 SHELLMAR PRODUCTS 8990 ATLANTIC AVE SOUTH GATE 037 LOS ANGELES	S CORPORATION	CA 90280 CA-29		00	DS1		05/14/93	EPA (FUND)		N
CADO70214895 SHELMAC CORPORATI 1440 WALNUT ST LOS ANGELES	ION	. CA 90011					·			REF





SWIFT adhesives

Division of Reichhold Chemicals, Inc. 3100 Woodcreek Drive P.O. Box 1546 Downers Grove, Illinois 60515 Tel. (708) 971-6800

REICHHOLD

June 21, 1993

Mr. Juan Hernandez Kustom Fit Manufacturing Company 8990 Atlantic South Gate, CA 90280

Dear Mr. Hernandez:

Swift C1050 Adhesive contains the organic solvent, methyl chloroform (1,1,1 trichloroethane) at a level of 82%. This adhesive does not contain any other organic solvents above the 1% reporting threshold required on the material safety data sheet.

Should you have any additional questions concerning this product; please don't hesitate to call.

Sincerely,

Ma Crristoforati

Nia Christoforakis Regulatory Compliance Manager

/nc

REPORT LIMITED SUBSURFACE SOIL INVESTIGATION 8990 ATLANTIC AVENUE SOUTH GATE, CALIFORNIA FOR KUSTOM FIT

DAMES & MOORE JOB NO. 23042-001-128 OCTOBER 12, 1992

DAMES & MOORE

LOS ANGELES, CALIFORNIA

418.1, and fuel fingerprint by EPA method 8015 modified for fuel hydrocarbons. Samples collected from the waste oil storage area were also analyzed for California Code of Regulation (CCR) Title 22 metals;

Preparation of this report describing the field work, summarizing our laboratory results, and providing Dames & Moore's professional conclusions and recommendations regarding further actions, as appropriate.

3.0 FIELD PROCEDURES

On September 14, 1990 Dames & Moore geologist Paul Dworian conducted the soil at the Kustom Fit facility (Figure 1). The borings were advanced by a hand auger, and samples were collected using an AMS thinwall drive sampler fitted with two stainless steel rings. Soil samples were collected at depths of 0.5 and 5.0 feet below ground surface (bgs) in borings B-2, B-3 and B-4, and at 0.5, 5.0 and 10.0 feet bgs in B-1. Repeated attempts were made to collect soil samples from 10 feet bgs in borings B-2 and B-3, however, recovery of the samples was not possible due to the loose silty sands encountered. Boring logs including descriptions of the soils encountered are presented in Appendix A.

The borings were backfilled with soil up to the surface. Mr. Ron Lopez, maintenance manager of Kustom Fit, indicated that he would asphalt cold-patch the upper six inches of each of the borings. Dames & Moore telephoned Mr. Lopez on September 17, 1992 and confirmed that the borings had been patched.

The samples taken at the site were placed in a cooler with blue ice and sent to D & M Laboratories, a state certified laboratory. All the soil samples collected were analyzed for VOCs by EPA method 8240, total recoverable petroleum hydrocarbons (TRPH) by EPA method 418.1 and fuel fingerprint by EPA method 8015 modified. In addition, samples collected from boring B-4 (Figure 1) were analyzed for California Code of Regulation (CCR) title 22 metals. The results of these analyses are summarized on Table 1. The

laboratory data sheets and the completed chain-of custody for the samples are presented in Appendix B.

4.0 FINDINGS

4.1 SOIL CONDITIONS

The soil at the site was found to consist of fine sandy silt to silty fine sand, with some coarse to medium sands. A 0.5 to 1 foot thick layer of coarse sand and pebble fill was found beneath the asphalt at borings B-3 and B-4. Complete descriptions of the soils encountered are in the boring logs, Appendix A.

4.2 VOLATILE ORGANIC COMPOUNDS

The analytical results indicated that the 0.5 foot bgs sample from boring B-1 contained 6.3 micrograms per kilogram (ug/Kg) of tetrachlorethene (PCE) and 88 ug/Kg of 1,1,1-trichloroethane (1,1,1-TCA) (Table 1). In addition, the 0.5 foot bgs sample from B-2 contained 5.7 ug/Kg of 1,1,1-TCA. Both of these borings were located in the truck repair area (Figure 1). VOCs were not detected in the remaining samples above the analytical detection limits.

4.3 TOTAL RECOVERABLE PETROLEUM HYDROCARBONS/FUEL FINGERPRINT

Samples were analyzed for petroleum hydrocarbons by both EPA methods 418.1 and 8015 modified to assist in distinguishing between gasoline, diesel, and waste oil. The results of the 418.1 analyses indicated that samples from B-1 at 10.0 feet bgs, B-2 at 5.0 feet bgs, and B-3 at 0.5 feet bgs contained 880, 240 and 99 mg/Kg of TRPH, respectively (Table 1). TRPH was not found in the other samples above the detection limit of 30 mg/Kg.

The results of the 8015 modified analyses identified the TRPH in boring B-1 as waste oil. The TRPH detected in sample B-2 at 5.0 feet bgs, and B-3 at 0.5 feet bgs could not be positively identified, however, the laboratory noted indications that the TRPH was waste oil. It should be noted that the lower detection limits for gasoline, diesel, kerosine, jet fuel and mineral spirits using the 8015 modified fuel fingerprint appears to preclude these compounds from contributing to the TRPH detected (Table 2).

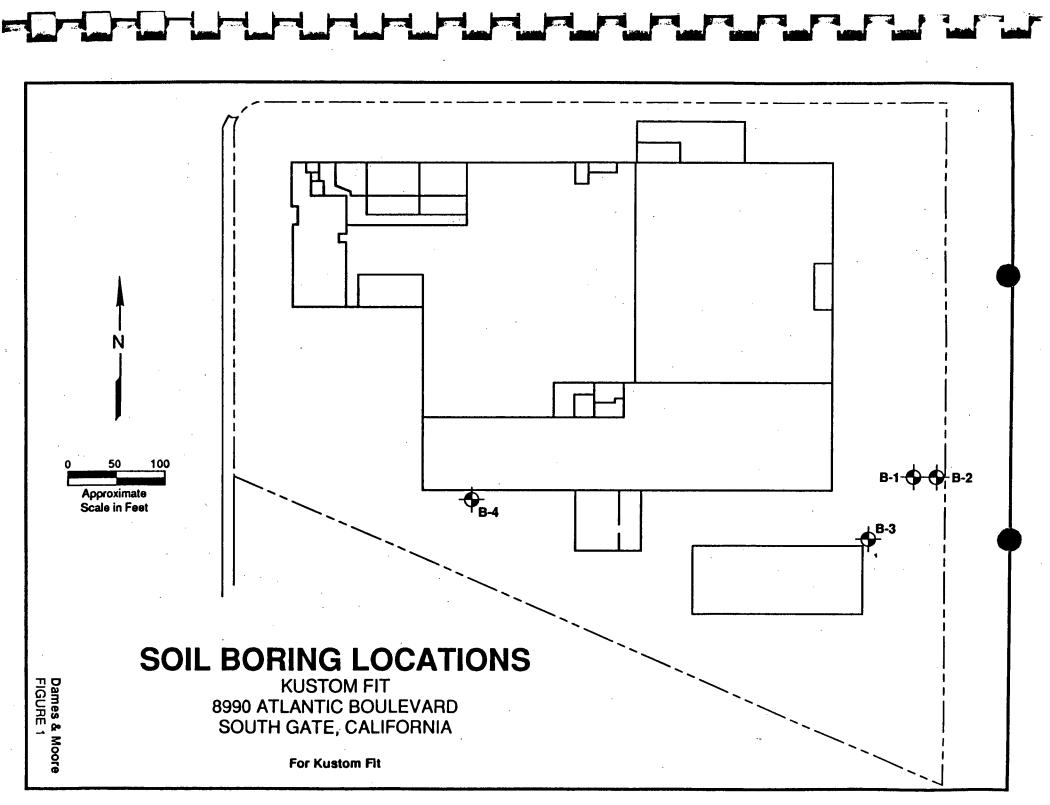
4.4 CCR TITLE 22 METALS

Soil samples were analyzed for CCR Title 22 metals in Boring B-4 (Figure). The results of the analyses indicate levels of metals well consistent with those found in native soils.

5.0 SUMMARY AND CONCLUSIONS

The analytical results indicate low concentrations of PCE and 1,1,1-TCA in the shallow soils near the truck maintenance area (borings B-1, B-2). This appears to be limited to the shallow soils, and was not found in samples from greater than 0.5 feet bgs. VOCs were not detected in samples from B-3 and B-4. Based on the levels, type, and distribution of detectable VOCs in soil, no further investigations for VOCs are recommended at this time.

Waste oil was detected at a depth of 10.0 feet bgs in soil sample B-2, and appears to be present at depths of 5.0 feet bgs in sample B-1 and 0.5 feet bgs in sample B-3. The source of the shallow contamination in B-3 may be the water in the nearby trench, washing surface hydrocarbons into the underlying soils. We recommend that the nearby trench be covered with asphalt, and that the source of the water be diverted through a pipe. Petroleum hydrocarbons found in the deeper soils in B-1 and B-2 may indicate lateral migration from another source. This source may be located in the truck maintenance area. An alternative explanation is that small pieces of contaminated asphalt and/or surface soils



Page 9

LABORATORY RESULTS

Laboratory Job No.: 922673

Date Collected: 09/14/92

Date Analyzed: 09/18/92

Date Reported: 10/02/92

ASSAY:

PURGEABLES BY GC/MS (EPA 8240) SOILS OR SOLID WASTE

COMPOUNDS:	LAB# SMP# dil.	23369 B-1 1A	DET. LIM.	23370 B-1 2A	DET. LIM.	23371 B-1 3A	DET. LIM.
PURGEABLES		ug	/kg	u e	g/kg	ug	/kg
BENZENE		ND	5.0	ND	5.0	ND	5.0
BROMODICHLOROMETHANE		ND	5.0	ND	5.0	ND	5.0
BROMOFORM		ND	10	ND	10	ND	10 5.0
BROMOMETHANE		ND	5.0	ND	5.0	ND	
CARBON TETRACHLORIDE		ND	5.0	ND	5.0	ND	5.0
CHLOROBENZENE		ND	5.0 10	ND ND	5.0 10	ND ND	5.0 10
CHLOROETHANE CHLOROFORM		ND ND	5.0	ND	5.0	ИD	5.0
CHLOROFORM		ND	10	ND ND	10	ND	10
DIBROMOCHLOROMETHANE		ND	5.0	ND	5.0	ND	5.0
1,2-DICHLOROBENZENE		ND	5.0	ND	5.0	ND	5.0
1,3-DICHLOROBENZENE		ND	5.0	ND	5.0	ND	5.0
1,4-DICHLOROBENZENE		ND	5.0	ND	5.0	ND	5.0
1,1-DICHLOROETHANE		ND	5.0	ND	5.0	ND	5.0
1,2-DICHLOROETHANE		ND	5.0	ND	5.0	ND	5.0
1,1-DICHLOROETHENE		ND	5.0	ND	5.0	ND	5.0
CIS-1,2-DICHLOROETHEN	ır.	ND	5.0	ND	5.0	ND	5.0
TRANS-1,2-DICHLOROETH		ND	5.0	ND	5.0	ND	5.0
1,2-DICHLOROPROPANE		ND	5.0	ND	5.0	ND	5.0
CIS-1,3-DICHLOROPROPE	NE	ND	5.0	ND	5.0	ND	5.0
TRANS-1,3-DICHLOROPRO		ND	5.0	ND	5.0	ND	5.0
ETHYL BENZENE	. 2.14	ND	5.0	ND	5.0	ND	5.0
METHYLENE CHLORIDE		ND	10	ND	10	ND	10
1,1,2,2-TETRACHLOROET	HANE	ND	5.0	ND	5.0	ND	5.0
TETRACHLOROETHENE		6.3	5.0	ND	5.0	ND	5.0
TOLUENE		ND	5.0	ND	5.0	ND	5.0
1,1,1-TRICHLOROETHANE	2	88	5.0	ND	5.0	ND	5.0
1,1,2-TRICHLOROETHANE		ND	5.0	ND	5.0	ND	5.0

LABORATORY RESULTS

COMPOUNDS:	LAB# SMP# dil.	23369 B-1 1A	DET. LIM.	23370 B-1 2A	DET. LIM.	23371 B-1 3A	DET. LIM.	
PURGEABLES		ug	g/kg	uç	g/kg	ug/kg		
TRICHLOROETHENE		ND	5.0	ND	5.0	ND	5.0	
TRICHLOROFLUOROMETHAN	E	ND	5.0	ND	5.0	ND	5.0	
VINYL CHLORIDE		ND	10	ND	10	ND	10	
XYLENES		ND	5.0	ND	5.0	ND	5.0	
ACETONE		ND	100	ND	100	ND	100	
2-BUTANONE	•	ND	100	ND	100	ND	100	
CARBON DISULFIDE		ND	5.0	ND	5.0	ND	5.0	
2-HEXANONE		ND	50	ND	50	ND	50	
4-METHYL-2-PENTANONE		ND	50	ND	50	ND	50	
STYRENE		ND	5.0	ND	5.0	ND	5.0	
VINYL ACETATE		ND	50	ND	50	ND	50	
SURROGATE RECOVERIES-	QC				-			
1,2-DICHLOROETHANE-D4		95%		94%		94%		
TOLUENE-D8		111%		105%		104%		
4-BROMOFLUOROBENZENE		92%		96%		95%		

LABORATORY RESULTS

COMPOUNDS:	LAB# SMP#	23372 B-2 1A	DET. LIM.	23373 B-2 2A	DET. LIM.	23374 B-3 1A	DET. LIM.
PURGEABLES			/kg		/kg		/kg
PURGEABLES BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1,2-DICHLOROBENZENE 1,3-DICHLOROBENZENE 1,4-DICHLOROBENZENE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE CIS-1,3-DICHLOROPROPE TRANS-1,3-DICHLOROPROPE TRANS-1,3-DICHLOROPROPE TRANS-1,3-DICHLOROPROPE TRANS-1,3-DICHLOROPROPE TRANS-1,3-DICHLOROPROPE TTANS-1,3-DICHLOROPROPE TTANS-1,3-DICHLOROPROPE TTANS-1,3-DICHLOROPROPE TTANS-1,3-DICHLOROPROPE TTANS-1,3-DICHLOROPROPE TTANS-1,3-DICHLOROPROPE TTANS-1,3-DICHLOROPROPE TTANS-1,3-TRICHLOROETHANE 1,1,1-TRICHLOROETHANE 1,1,1-TRICHLOROETHANE	dil.		1		1		1
TRICHLOROETHENE TRICHLOROFLUOROMETHAN VINYL CHLORIDE		ND ND ND	5.0 5.0 10	ND ND ND	5.0 5.0 10	ND ND ND	5.0 5.0 10
XYLENES ACETONE 2-BUTANONE		ND ND ND	5.0 100 100	ND ND ND	5.0 100 100	ND ND ND	5.0 100 100

Page 12

LABORATORY RESULTS

COMPOUNDS: PURGEABLES	LAB# SMP# dil.	23372 B-2 1A	DET. LIM.	23373 B-2 2A	DET. LIM.	23374 B-3 1A	DET. LIM.
PURGEABLES		ug,	/kg	ug/kg		ug/kg	
CARBON DISULFIDE 2-HEXANONE 4-METHYL-2-PENTANONE STYRENE VINYL ACETATE		ND ND ND ND	5.0 50 50 5.0 5.0	ND ND ND ND	5.0 50 50 5.0	ND ND ND ND	5.0 50 50 5.0 5.0
SURROGATE RECOVERIES-	-QC			•		•	•
1,2-DICHLOROETHANE-D4 TOLUENE-D8 4-BROMOFLUOROBENZENE	<u> </u>	93% 106% 89%		94% 107% 95%		96% 107% 93%	

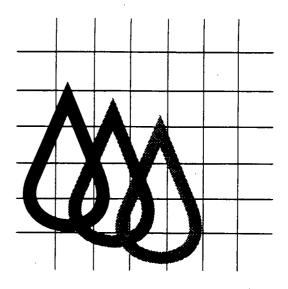
LABORATORY RESULTS

COMPOUNDS:	LAB# SMP#	23375 B-3 2A	DET.	23376 B-4 1A,B	DET. LIM. 1	23377 B-4 2A,B	DET.
PURGEABLES	dil.		1 /kg		/kg		l /kg
BENZENE		ND	5.0	ND	5.0	ND	5.0
BROMODICHLOROMETHANE		ND	5.0	ND	5.0	ND	5.0
BROMOFORM		ND	10	ND	10	ND	10
BROMOMETHANE		ND	5.0	ND	5.0	ND	5.0
CARBON TETRACHLORIDE		ND	5.0	ND	5.0	ND	5.0
CHLOROBENZENE		ND	5.0	ND	5.0	ND	5.0
CHLOROETHANE		ND	10	ND	10	, ND	10
CHLOROFORM		ND	5.0	ND	5.0	ND	5.0
CHLOROMETHANE		ND	10	ND	10	ND	10
DIBROMOCHLOROMETHANE		ND	5.0	ND	5.0	ND	5.0
1,2-DICHLOROBENZENE		ND	5.0	ND	5.0	ND	5.0
1,3-DICHLOROBENZENE		ND	5.0	ND	5.0	ND	5.0
1,4-DICHLOROBENZENE		ND	5.0	ND	5.0	ND	5.0
1,1-DICHLOROETHANE		ND	5.0	ND	5.0	ND	5.0
1,2-DICHLOROETHANE		ND	5.0	ND	5.0	ND	5.0
1,1-DICHLOROETHENE		ND	5.0	ND	5.0	ND	5.0
CIS-1, 2-DICHLOROETHE	NE	ND	5.0	ND	5.0	ND	5.0
TRANS-1, 2-DICHLOROET		ND	5.0	ND	5.0	ND	5.0
1,2-DICHLOROPROPANE		ND	5.0	ND	5.0	ИD	5.0
CIS-1,3-DICHLOROPROP	ENE	ND	5.0	ND	5.0	ND	5.0
TRANS-1,3-DICHLOROPR		ND	5.0	ND	5.0	ND	5.0
ETHYL BENZENE		ND	5.0	ND	5.0	ND	5.0
METHYLENE CHLORIDE		ND	10	ND	10	ND	10
1,1,2,2-TETRACHLOROE	THANE	ND	5.0	ND	5.0	ND	5.0
TETRACHLOROETHENE		ND	5.0	ND	5.0	ND	5.0
TOLUENE		ND	5.0	ND	5.0	ND	5.0
1,1,1-TRICHLOROETHAN	E	ND	5.0	ND	5.0	ND	5.0
1,1,2-TRICHLOROETHAN	E	ND.	5.0	ND	5.0	ND	5.0
TRICHLOROETHENE		ND	5.0	ND	5.0	ND	5.0
TRICHLOROFLUOROMETHA	NE	ND	5.0	ИD	5.0	ND	5.0
VINYL CHLORIDE		ND	10	ND	10	ND	10
XYLENES		ND	5.0	ND	5.0	ND	5.0
ACETONE		ND	100	ND	100	ND	100
2-BUTANONE	•	ND	100	ND	100	ND	100

Page 14

LABORATORY RESULTS

COMPOUNDS:	LAB# SMP# dil.	23375 B-3 2A	DET. LIM.	23376 B-4 1A,B	DET. LIM.	23377 B-4 2A,B	DET.
PURGEABLES	dir.	ug	/kg	ug	/kg	uç	g/kg
CARBON DISULFIDE 2-HEXANONE 4-METHYL-2-PENTANONE STYRENE VINYL ACETATE		ND ND ND ND	5.0 50 50 5.0 5.0	ND ND ND ND ND	5.0 50 50 5.0 5.0	ND ND ND ND ND	5.0 50 50 5.0 5.0
SURROGATE RECOVERIES-	·QC						
1,2-DICHLOROETHANE-D4 TOLUENE-D8 4-BROMOFLUOROBENZENE		92% 107% 92%		91% 101% 102%		93% 101% 99%	



COOPERATIVE BASIN-WIDE TITLE 22 GROUNDWATER MONITORING PROGRAM

1992 ANNUAL WATER QUALITY REPORT

JUNE 1993







West Basin Municipal Water District



Central Basin Municipal Water District

Board of Directors

Charles L. Stuart, President
Lawrence P. Gallagher, Vice President
Michael W. Sweeney, Secretary
Richard C. Heath, Treasurer
Edward C. Little, Director

Board of Directors

Leonis C. Malburg, President Carl H. Zeise, Vice President J. William Zastrow, Secretary V. Clyde Haight, Treasurer Gary A. Morse, Director

District Management

Richard W. Atwater, General Manager
Virginia L. Grebbien, Assistant General Manager
Wayne K. Lemieux, Legal Counsel
William A. Ralph, District Engineer
Sheryl R. McCormick, Office Manager
H. Eric Hayden, Controller
Kris R. Helm, Operations and Planning Manager

TABLE 1-4

MONTGOMERY LABORATE ES CONTAINERS, PRESERVATIVES, ANALYTICAL METHODS AND MAXIMUM HOLDING TIMES

PARAMETERS	ANALYTES	METHOD	HOLDING TIME
GENERAL DUVENCALE. O.	, SOO mi amber glass bottle, no preservat	·	
CENTERCE PRISERES. ONE	Color	EPA 110.2	49 1101754
	Odor	SM 2150	48 HOURS
	Turbidity	EPA 180.	48 HOURS 17 DAYS
	•		I/ DATS
VOLATILE ORGANICS: Two	, 40 ml amber vials, Teflon sepia, HCl pr	eservative to pH <2	
	Regulated/unregulated VOCs	EPA 524.2	14 DAYS
BASE/NEUTRAL EXTRACTA	ABLES: Two, 1-liter amber glass bottles,	Tellan-lined cans no presentative	
	Diethylhexylphthalate	EPA 525	EXTRACT 7 DAYS/
			ANALYZE 40 DAYS
CHLOROPHENOXY HERBIC	IDES: Two, 1-liter amber glass boules, 7	eflon-lined caps, no preservative	MINLIZE TO DATS
	2,4-D, 2,4,5-TP (Silvex)	EPA 515.1	EXTRACT 14 DAYS/
	and unregulated herbicides		ANALYZE 40 DAYS
PESTICIDES/PCRA Tue 1.86	er amber glass bottles, Teflon-lined caps,		
1 2011 C 12 20 7 C 25. 1 40, 1-44	Organochlorine pesticides	EPA 508	
	and PCBs - regulated/unregulated	EPA 300	EXTRACT 7 DAYS/
· .	aim reps - tegulated/diffegulated	· .	ANALYZE 40 DAYS
EDB/DBCP: Two, 250 ml ambi	er glass bottles, Teflon-lined caps, no pre	servative	
	Ethylene dibromide and	EPA 504	28 DAYS
	Dibromochloropropane		to DAIS
TRIATRIE HERRICINES. T.			
IRIAZINE HERBICIDES: IW	o, 1-liter amber glass bottles, teflon-lined Atrazine, Simazine,		
	Molinate, Thiobencarb and	EPA 507	EXTRACT 14 DAYS/
•	unregulated triazines		ANALYZE 28 DAYS
	diffed rustifies		
CARBAMATES: One. 125 ml	plastic bottle, freeze, no preservative	,	
	Carbofuran, Aldicarb and	EPA 531	28 DAYS
	other carbamates		20 DA13
GI VDUOSATE: One 125 ml	deede banda Caraa		
GETPHOSATE: One, 123 mi p	plastic bottle, freeze, no preservative Glyphosate	PB 4 447	
	Gryphosate	EPA 547	28 DAYS
RADIOACTIVITY: One, 1-lite	r plastic bottle with HNO3 to pH <2 and	one, 125 ml plastic bottle with no preservat	ive
	Gross Alpha	EPA 900.0	6 MONTHS
	Gross Beta	EPA 900.0	6 MONTHS
	Radium	EPA 903.1 -	6 MONTHS
	Uranium	Radiometric	6 MONTHS
	Radon (no preservative)	Lucas Cell	7 DAYS
TITLE 22 GENERAL MINERA	ALC TITLE 33 DIODCANICS		
ANIONS:	One, 500 ml plastic bottle, no preservativ	•	
	Chloride, Sulfate	EPA 300	28 DAYS
	Alkalinity	EPA 310.1	14 DAYS
	TDSEPA	160.1	7 DAYS
	PHEPA	150.1	7 DAYS
	MBASEPA	425.1	7 DAYS
	ECEPA	120.12	8 DAYS
	Fluoride	EPA 340.2	28 DAYS
	Nitrate	EPA 300	48 HOURS
CATIONS AND AND ASSESSED			
	One, 500 ml plastic bottle, HNO3 to pH lodium, Potassium, Copper, Iron, Zinc, M		
		langanese, Magnesium	
Chromium	, Barium, Cadmium, and Silver	EPA 200 7	6 MONETTO
Cmomun	CISC TATEL	EPA 200.7	6 MONTHS
	Mercury	or Flame AA	20 5 41/2
	Lead	EPA 245.1	28 DAYS
	Arienic	EPA 239.2 EPA 206.2	6 MONTHS
	Selenium		6 MONTHS
	- September 1	EPA 270.2	6 MONTHS

TABLE A 3: CENTRAL BASIN VOLATILE ORGANIC CHEMICAL ANALYSIS SUMMARY 1989 - 1992 P. A 3 - 81

CENTRAL BASIN PURVEYOR	WELL NAME	STATE WELL NUMBER	SAMPLE DATE	Carbon Tetrachloride (µg/l)	1,2-Dichlere- ethane (µg/l)	1,1-Dichloro- ethylene (µg/l)	Tetrachlors- ethylene (µg/l)	1,1,1-Trichloro- ethane (µg/l)	1,1-Dichere- ethane (µg/l)	cis-1,2-Dichere- ethylene (pg/l)	Trichlore- ethylene (pg/l)
•				44 .7	44.7		44.7	•••	44.7	44 .7	00 .,
SOUTH GATE, CITY OF	7	02S/12W-31M02	06/04/90	ND	ND	ND	0.9	ND	ND	ND	40
SOUTH GATE, CITY OF	7 '	025/12W-31M02	09/12/90	ND	ND	12	0.7	ND	ND	ND	5.6
SOUTH GATE, CITY OF	1	025/12W-31M02	09/12/90	ND	ND	1.0	08	ND	ND	ND	5.5
SOUTH GATE, CITY OF	7	025/12W-31M02	10/09/90	ND	ND	0.6	07	ND	ND	ND	4.6
SOUTH GATE, CITY OF	7	025/12W-31M02	11/05/90	ND	ND	08	1.0	ND	ND	ND	6.5
SOUTH GATE, CTTY OF	1	02S/12W-31M02	12/11/90	ND	ND	06	08	ND	ND	ND	5.2
SOUTH GATE, CITY OF	7	025/12W-31M02	01/02/91	ND	ND	07	ND	ND	ND	ND	5 2
SOUTH GATE, CITY OF	1	025/12W-31M02	08/05/91	ND	ND	08	1.1	ND	ND	ND	5.7
SOUTH GATE, CITY OF	7	023/12W-31M02	08/14/91	ND	ND	0.8	10	ND	ND	ND	64
SOUTH GATE, CITY OF	7	025/12W-31M02	02/05/92	ND	ND	0.8	1.2	ND	ND	ND	5.9
SOUTH GATE, CTTY OF	7	025/12W-313402	04/17/92	ND	ND	09	1.2	ND	ND	. ND	63
SOUTH DATE, CITY OF	7	025/12W-31M02	07/17/92	ND	ND	06	15	ND	ND	ND	53
SOUTH GATE, CITY OF	7	025/12W-31M02	10/19/92	ND	ND	ND	0.5	ND	ND	ND	40
SOUTH GATE, CITY OF		03\$/13W-01G01	10/24/89	ND	ND	ND	28	ND	ND	NĐ	ND
SOUTH GATE, CITY OF		035/13W-01001	19/26/90	ND	ND	ND	3.9	ND	ND	ND	ND
SOUTH GATE, CITY OF		035/13W-01Cl01	12/26/90	ND	ND	ND	51	ND	ND	ND	ND
SOLITH GATE, CITY OF		035/13W-01G01	02/05/92	ND	ND	ND	58	ND	ND '	ND	ND
SOUTH GATE, CITY OF		035/13W-01G01	09/21/92	ND	ND	ND	36	ND	ND	ND	ND
SOUTH GATE, CITY OF		035/13W-01G01	09/21/92	ND	ND	ND	38	ND	ND	ND	ND
SOUTH GATE, CITY OF	8 .	035/13W-01G01	10/19/92	ND	ND	ND	3 2	ND	ND	ND	ND
SOUTH GATE, CITY OF		035/13W-01Cl01	11/18/92	ND	ND	ND	49	ND	ND	ND	ND
SOUTH GATE, CITY OF		035/13W-01001	12/11/92	ND	ND	ND	3.9	ND	ND	ND	ND
SOUTH GATE, CITY OF	Ð	035/12W-06D01	10/24/89	ND	ND	ND	3.2	ND	ND	ND	ND
SOUTH GATE, CITY OF	13	035/12W-06D01	12/19/89	NA	NA	· NA	3.1	NA	NA	NA	NA
SOUTH GATE, CTTY OF	13	035/12W-06D01	10/26/90	ND	ND	ND	30	ND	ND	ND	ND
SOUTH GATE, CITY OF	13	035/13M-06D01	11/06/91	ND	ND	ND	41	ND .	ND	ND	ND
SOUTH GATE, CITY OF	14	03S/12W-06D02	12/19/89	ND	ND	ND	0.7	ND	ND	ND	ND
SOUTH GATE, CITY OF	14	035/12W-06D02	10/26/90	ND	ND	ND	3 2	ND	ND	ND	ND
SOUTH GATE, CITY OF	14	035/12W-06D02	11/06/91	ND	ND	ND	4.6	ND	ND	ND	ND
SOUTH GATE, CITY OF	18	035/12W-06D03	10/24/89	ND	ND	ND	3.6	ND	ND	NĐ	ND
SOUTH GATE, CITY OF	18	035/12W-06D03	12/19/89	NA	NA	NA	61	NA	NA	NA	NA
SOUTH GATE, CITY OF	16	035/12W-06D03	10/26/90	ND	ND	ND	1.0	ND	ND	ND	ND
SOUTH GATE, CITY OF	LE	035/12W-06D03	11/12/91	ND	ND	ND	5 6	ND	ND	ND	ND
SOUTH GATE, CITY OF	18	03S/12W-06D03	12/11/92	ND	ND	ND	5 6	ND	ND	ND	ND
SOUTH GATE, CITY OF	19	035/12W-06D04	12/19/89	ND	ND	ND	1.4	ND	ND	ND	ND
SOUTH GATE, CITY OF	19	03S/12W-06E004	10/26/90	ND	ND	ND	ND	ND	ND	ND	06
SOUTH GATE, CITY OF	19	03S/12W-06D04	12/26/90	ND	ND	ND	86	ND	ND	ND	0.8
SOUTH GATE, CITY OF	19	03S/12W-06D04	02/05/92	ND	ND	ND	65	ND	ND	ND	0.8
SOUTH GATE, CITY OF	20	02S/13W-36F02	06/06/89	ND .	ND ·	ND	ND	ND	ND	ND	ND
SOUTH GATE, CITY OF	20	052/13M-36E05	08/31/89	ND	ND	ND	ND	ND	ND	ND	ND
SOUTH GATE, CITY OF "NA" MEANS NOT ANALYZED	20	02S/13W-36F02	10/24/89	ND	ND	ND	ND	ND	ND	ND	ND

TABLE A 3: CENTRAL BASIN VOLATILE ORGANIC CHEMICAL ANALYSIS SUMMARY 1989 - 1992 P. A 3 - 79

CENTRAL BASIN PURVEYOR	WELL NAME	STATE WELL NUMBER	SAMPLE DAȚE	Carbon Tetrachleride (rg/l)	1,2-Dichloro- ethane (µg/l)	1,1-Dichlore- ethylene (µg/l)	Tetrachtere- ethylene (µg/l)	i,1,1-Trichloru- ethane (µg/i)	1,1-Dichoro- ethane (µg/l)	cis-1,2-Dichere- ethylene (pg/l)	Trichloro- ethylene (µg/l)
SATIVA LA COUNTY WATER DISTRICT	3	035/13W-15G01	09/31/89	ND	ND	ND	ND	ND	ND	ND	ND
SATIVA LA COUNTY WATER DISTRICT		033/13W-15001	11/30/89	ND	ND	ND	ND	ND	ND	ND	ND
SATIVA LA COUNTY WATER DISTRICT	3 18 19 1	035/13W-15C001	02/13/90	ND	ND	ND	ND	ND	ND	ND	KD
SATIVA LA COLINTY WATER DISTRICT	3	03\$/13W-15C01	02/04/92	ND	ND	ND	ND	ND	ND	ND	ND
SATIVA LA COUNTY WATER DISTRICT	3	03\$/13W-15Cl01	04/08/92	NA	NA	NA	NA	NA	NA	° NA	NA
SATIVA LA COUNTY WATER DISTRICT	3	03S/13W-15G01	04/08/92	NA	NA ,	NA	NA	NA	NA	NA	, NA
SATIVA LA COUNTY WATER DISTRICT	4	035/13W-15C02	03/21/89	ND	ND	ND	ND	ND	ND	ND	ND
SATIVA LA COUNTY WATER DISTRICT	4	03\$/13W-15C02	06/28/89	ND	ND	ND	ND	ND	ND	ND	ND
SATIVA LA COUNTY WATER DISTRICT	4	038/13.M-12C03	02/13/90	ND	ND	ND	ND	ND	ND	ND	ND
SATIVA LA COUNTY WATER DISTRICT	4	035/13W-15C02	02/04/92	ND	ND	ND	ND	ND	ND	ND	ND
SIGNAL HILL, CITY OF	4	03\$/13W-15C02	11/30/89	ND	ND	ND	ND	ND	ND	ND	ND
SIGNAL HILL, CTTY OF	• 6	035/13W-30B03	04/07/89	ND	ND	ND	ND	ND	ND	ND	ND
SIGNAL HILL, CITY OF	•	035/13W-30B03	09/14/89	ND	ND	ND	ND	ND	ND	ND	ND
SIGNAL HILL, CITY OF	•	03S/13W-30 8 03	12/06/89	ND	ND	ND	06	ND	ND	ND	ND
SIGNAL HILL, CTTY OF	•	032/13W-30B03	01/19/90	NA	NA	NA	ND	NA	NA	NA	NA
SIGNAL HILL, CITY OF	4	03S/13W-30B03	02/14/90	ND	ND	ND	0.7	ND	ND -	ND	ND
SIGNAL HILL, CITY OF	•	032/13/W-30B03	06/06/90	ND	ND	ND	09	ND	ND	ND	ND
SIGNAL HILL, CITY OF	•	035/13W-30B03	08/29/90	ND	ND	ND	06	NĐ	ND	ND	ND
SIGNAL HILL, CITY OF	6	035/13W-30B03	11/02/90	ND	ND	ND	10	10	ND	ND	ND
SIGNAL HILL, CTTY OF	,	03\$/12W-31B01	04/11/09	NA	NA	NA	NA	NA	NA .	NA	NA
SIGNAL HILL, CTTY OF	7	03S/12W-31B01	09/14/89	ND	ND	ND	ND	ND	ND	ND	ND
SIONAL HILL, CTI Y OF	7	03S/12W-31B01	12/06/89	ND	ND	ND	ND	ND	ND	ND	ND
SIGNAL HILL, CITY OF	7	93\$/12W-31B01	02/14/90	ND	ND	ND	ND	ND	ND	ND	ND .
SIGNAL HILL, CITY OF	7	03S/12W-31B01	06/17/90	ND	ND	Q.7	09	ND	ND	ND	5.3
SIGNAL HILL, CITY OF	7	03S/12W-31B01	02/07/92	ND	ND	ND	ND	ND	ND	ND	ND
SIGNAL HILL, CITY OF	•	03S/12W-31J02	04/11/89	ND	ND	ND	ND	ND	ND	ND	ND
SIGNAL HILL, CITY OF	•	035/12W-31J02	09/14/89	ND .	ND	ND	ND	ND	ND	ND	ND
SIGNAL HILL, CITY OF	•	03S/12W-31J02	12/06/89	ND	ND	ND '	ND	ND	ND	ND	ND
SIGNAL HILL, CITY OF	-	035/12W-31J02	02/14/90	. ND	ND	ND	ND	ND .	ND	ND	ND
SKINAL HILL, CITY OF		035/12W-31J02	02/07/92	ND	ND	ND	ND	ND	ND	ND	ND
SOUTH GATE, CITY OF	2	028/13W-35A01	06/06/89	ND	ND	ND	ND	ND	ND	ND	ND
SOUTH GATE, CITY OF	1	025/13W-35A01	06/31/89	ND	ND	ND	ND	ND	ND	ND	ND
SOUTH GATE, CITY OF	2	025/13W-35A01	10/24/89	ND	ND	ND	ND	ND	ND	·ND	ND
SOUTH GATE, CITY OF	1	02S/13W-35A01	01/24/90	ND	ND	ND	ND	ND	ND	ND	ND
SOUTH GATE, CITY OF	2	02S/13W-35A01	02/05/92	ND	ND	ND	ND	ND	ND	ND	ND
SOUTH GATE, CITY OF	7	02S/12W-31M02	06/06/89	ND NA	ND	. ND	ND	ND.	ND	ND	2.1
SOUTH GATE, CITY OF	7	02S/12W-31M02	07/19/89	NA NA	NA .	NA	NA	NA	NA	NA	33
SOUTH GATE, CITY OF SOUTH GATE, CITY OF	7	02S/12W-31M02	07/19/89	NA ND	NA NO	· NA	NA	NA	NA	NA	2.7
SOUTH GATE, CITY OF	,	02S/12W-31M02	06/31/89	ND ND	ND	ND	ND	ND	ND	ND	19
SOUTH GATE, CITY OF	,	025/12W-31M02	10/24/89	ND ND	ND ND	ND	08	ND ·	ND	ND	3 2
"NA" MEANS NOT ANALYZED	•	02S/12W-31M02	01/24/90	ND	ND	ND	ND	ND	ND	ND	1.8

TABLE A 3: CENTRAL BASIN VOLATILE ORGANIC CHEMICAL ANALYSIS SUMMARY 1989 - 1992 P. A 3 - 83

CENTRAL BASIN PURVEYOR	WELL NAME	STATE WELL NUMBER	SAMPLE Date	Carbon Tetrachloride (µg/l)	1,2-Dichlere- ethane (µg/l)	1,1-Dichlore- ethylene (µg/l)	Tetrachioro- ethylene (jag/l)	1,1,1-Trichloro- ethane (µg/l)	1,1-Dichoro- ethane (pg/l)	cis-1,2-Dichoro- ethylene (µg/l)	Trichiore- ethylene (µg/l)
TOURN CAST COTTO OF)						•			
SOUTH CATE, CITY OF	20	02S/13W-36F02	01/24/90	ND	ND	ND	ND	ND	ND	ND	ND
SOUTH GATE, CITY OF	23	03\$/12W-06B03	01/24/90	ND	ND	ND	ND	ND	ND	ND	ND
SOUTH GATE, CITY OF	25	03S/12W-06B03	06/04/90	ND	ND	ND	ND	ND	ND	ND	ND
SOUTH GATE, CITY OF	23	035/12W-06B03	08/17/90	ND	ND	ND	21	ND	ND	ND	ND
SOUTH GATE, CITY OF	23	03S/12W-06B03	10/26/90	ND	ND	ND	50	ND	ND	ND	ND
SOUTH CLATE, CITY OF	23	03\$/12W-06B03	12/11/90	ND	ND	ND	20	ND	ND	ND	ND
SOUTH CATE, CITY OF	23	03S/12W-06B03	01/02/91	ND	ND	ND	25	ND	ND	ND	ND
SOUTH CATE, CITY OF	23	03S/12W-06B03	02/06/91	ND	ND	ND	20	ND	ND	ND	ND
SOUTH GATE, CITY OF	23	035/12W-06B03	03/08/91	ND	ND	ND	1.6	ND	ND	ND	ND
SOUTH CATE, CITY OF	23	03S/12W-06B03	04/16/91	ND	ND	ND	46	ND	ND	ND	ND
SOUTH CATE, CITY OF	23	035/12W-06B03	05/10/91	ND	ND	NĐ	ND	ND	ND	ND	ND
SOUTH CATE, CITY OF	23	03S/12W-06B03	06/07/91	ND	ND	ND	ND	ND	ND	ND	ND
SOUTH GATE, CITY OF	23	035/12W-06B03	07/02/91	ND	ND	ND	29	ND	ND	· ND	ND
SOUTH GATE, CITY OF	23	03S/12W-06B03	07/02/91	ND	ND	ND	2.2	ND	ND	ND	ND
SOUTH GATE, CITY OF	23	03S/12W-06B03	07/09/91	ND	ND	ND	2.2	ND	ND	ND	ND
SOUTH GATE, CITY OF	23	03S/12W-06B03	08/13/91	ND	ND	ND	38	ND	ND	ND	ND
SOUTH GATE, CITY OF	23	03S/12W-06B03	09/11/91	ND	ND	ND	19	ND	ND	ND	ND
SOUTH GATE, CITY OF	23	03S/12W-06B03	10/17/91	ND	ND	ND	ND	ND	ND	ND	ND
SOUTH GATE, CITY OF	23	03S/12W-06B03	11/06/91	ND	ND	ND	0.5	ND	ND	ND	ND
SOUTH CATE, CITY OF	. 23	03S/12W-06B03	12/19/91	ND	ND	ND	ND	ND	ND	ND	ND
SOUTH GATE, CITY OF	23	03S/12W-06B03	01/23/92	ND	ND	ND	1.5	NĐ	ND	ND	ND
SOUTH CATE, CITY OF	23	03S/12W-06B03	02/05/92	ND	ND	ND	20	ND	ND	ND	ND
SOUTH GATE, CITY OF	23	03\$/12W-06B03	03/17/92	ND	ND	ND	06	ND	ND	ND	ND
SOUTH GATE, CITY OF	23	03S/12W-06B03	06/05/92	ND	ND	ND	ND	ND	ND	ND	ND
SOUTH CLATE, CITY OF	23	03S/12W-06B03	07/17/92	ND	ND	ND	ND	ND	ND	ND	ND
SOUTH GATE, CITY OF	23	03S/12W-06B03	08/20/92	ND	ND	ND	ND	ND	ND	ND	ND
SOUTH GATE, CITY OF	23	03S/12W-06B03	09/03/92	ND	ND	ND	ND	ND	ND	ND	ND
SOUTH GATE, CITY OF	23	03S/12W-06B03	10/19/92	ND	ND	ND	ND	ND	ND	ND	ND
SOUTH CATE, CITY OF	23	03S/12W-06B03	11/18/92	ND	ND	ND	1.2	ND	ND	ND	ND
SOUTH GATE, CITY OF	23	03S/12W-06B03	12/11/92	ND	ND	ND	09	ND	ND	ND	ND
SOUTH GATE, CITY OF	24	02S/12W-31Q03	01/24/90	ND	ND	ND	10	ND	ND	ND	ND
SOUTH GATE, CITY OF	24	02S/12W-31Q03	06/04/90	ND	ND	ND	0 9	ND	ND	ND	ND
SOUTH GATE, CITY OF	24	02S/12W-31Q03	08/17/90	ND	ND	ND	18	ND	ND	ND	ND
SOUTH GATE, CITY OF	24	02S/12W-31Q03	10/26/90	ND	ND	ND	2 0	ND	ND	ND	ND
SOUTH CLATE, CITY OF	24	02S/12W-31Q03	12/26/90	ND	ND	ND	31	ND	ND	ND	ND
SOUTH GATE, CITY OF	24	02S/12W-31Q03	06/07/91	ND	ND	ND	ND	ND	NĐ	ND	ND
SOUTH GATE, CITY OF	24	02S/12W-31Q03	07/02/91	ND	ND	ND	1.9	ND	ND	ND	ND
SOUTH GATE, CITY OF	24	02S/12W-31Q03	07/02/91	ND	ND	ND	1.8	ND .	ND	ND	NĐ
SOUTH GATE, CITY OF	24	02S/12W-31Q03	08/13/91	ND	ND	ND	1.5	ND	ND	ND	ND
SOUTH GATE, CITY OF	24	02S/12W-31Q03	11/06/91	ND	ND	ND	14	ND	ND	ND	ND
SOUTH GATE, CITY OF "NA" MEANS NOT ANALYZED	24	025/12W-31Q03	02/05/92	ND	ND	ND	2 1	ND	ND	ND	ND

Information extracted from:

U.S. Geological Survey, South Gate Quadrangle, California, 7.5-Minute Series (topographic), 1964.

APPENDIX E

SITE RECONNAISSANCE INTERVIEW AND OBSERVATIONS REPORT

Bechtel Environmental, Inc. P.O. Box 193965 San Francisco, CA 94119-3965

OBSERVATIONS MADE BY: Maynard Geisler

DATE: July 21, 1994

FACILITY REPRESENTATIVE(S) and TITLE(S):

Ron Belk, President
Juan Hernandez, Safety Director
Ron Lopez, Maintenance Manager

SITE: Kustom Fit Hi-Tech Seating Products, Inc. (aka Shellmar Products Corporation)

EPA ID: CAD 983576190

A site reconnaissance was conducted at the Kustom Fit Hi-Tech Seating Products, Inc. site on July 20. The weather was overcast and the temperature was approximately 75°F. The Bechtel Environmental, Inc. (BEI) representative, Maynard Geisler, conducted the site reconnaissance with Juan Hernandez and Ron Lopez at 9 a.m. to gather information on the site location and size, site history, processes used, and any hazardous waste generated, treated, stored, or disposed of on site. The BEI representative was provided with a packet of information prepared in response to BEI's letter dated July 6, 1994. The reconnaissance included a site tour during which photographs were taken.

The following information was obtained during the site reconnaissance:

The site is approximately a 7.2-acre property with 144,000 square feet of building space. The site is bordered to the north by Branyon Avenue, across from an apartment complex and commercial properties; to the south by commercial and industrial properties; to the west by Atlantic Avenue, across from commercial properties; and to the east by industrial properties.

The current site operator, Kustom Fit Hi-Tech Seating Products, Inc., has been on site since 1990 and manufactures after-market seating for recreational vehicle. Although the business name changed from Kustom Fit Manufacturing, Inc. to Kustom Fit Hi-Tech Seating Products, Inc. in 1990, site operations have been the same since 1977. In 1977, prior to purchase of the site by Kustom Fit Manufacturing, Inc., the site was occupied by Consolidated Novelty, an artificial Christmas tree manufacturer. The date when Consolidated Novelty began operations on site and details of its operations are unknown. Prior to Consolidated Novelty, the site was operated by Continental Cannery. The date when Continental Cannery began operations on site, and details of its operations are also unknown. In 1977, the site was bought by Kustom Fit Manufacturing Inc. In 1990, Hi-Tech Seating, Inc., another recreational-vehicle seating manufacturer, combined

SITE RECONNAISSANCE INTERVIEW AND OBSERVATIONS REPORT (Cont'd)

Site: Kustom Fit Hi-Tech Seating Products, Inc.

business operations with Kustom Fit Manufacturing. Currently, the site is owned by Earl Belk and the current business, Kustom Fit Hi-Tech Seating Products, Inc., is owned by his son, Ron Belk. Kustom Fit Hi-Tech Seating Products, Inc. operates Mondays through Fridays, 8 hours a day, and employs approximately 180 people. The site is completely fenced and covered by buildings, asphalt parking areas, and driveways.

Two buildings are located on site. The largest building contains the primary manufacturing areas, which include the maintenance department, welding and machine operations, sewing department, and the assembly room and shipping. A smaller building south of the larger building, the foam department building, is where molded seat foam is prepared.

The Kustom Fit Hi-Tech Seating Products, Inc. manufacturing process begins with the fabrication of steel tubes into seat frames. Metal fabrication includes stamping, welding, and bending of the tubes. These operations occur in the machine operations, welding, and assembly rooms. The sea frames are then cleaned in an automated high-pressure/temperature steam washer prior to painting. The cleaned frames are then painted in a paint booth using electrostatic painting techniques. The painted frames are then brought to the final assembly area. Scrape foam is ground in a mill outside the machine operations area. The ground foam is combined with a binding agent and placed in high-pressure/temperature molds for shaping in the foam department building. The molded foam is then brought to the final assembly area, glued to the frames, and upholstered.

From 1978 until 1992, facility trucks were serviced on the east side of the site. Servicing included oil-changing. Waste oil was stored in 55-gallon drums and taken off site for recycling by Interstate Pumping of Chino, Calif.

Hazardous substances used on site include a glue containing 1,1,1-trichloroethane and a binding agent containing toluene diisocyanate. Kustom Fit Hi-Tech Seating Products, Inc. uses approximately 200 gallons of glue and 2,000 pounds of binding agent monthly. Since site operations began, empty glue and binding agent drums have been stored in the eastern portion of the site prior to removal and reconditioning by Cito Pumping of Corona, Calif. and Interstate Pumping.

Kustom Fit Hi-Tech Seating Products, Inc. is permitted by the Southern California Air Quality Management District and the City of South Gate, Department of Public Works. The Southern California Air Quality Management District permits the paint booth, foam grinding, and binding operations. The City of South Gate, Department of Public Works, permits the discharge of washwater from the seat-frame washer into the city sewer system. There are currently no outstanding violations associated with the City of South Gate, Department of Public Works, or the Southern California Air Quality Management District permits.

A pipe extending vertically from the ground east of the sewing department was thought to have been associated with an underground storage tank. Kustom Fit Manufacturing never used an underground storage tank in that area and thinks it may have been used by previous site operators. In 1991, Kustom Fit Hi-Tech Seating Products, Inc. contracted Pete's Tank Removal to excavate the suspected underground storage tank. An exploratory excavation performed on April 25, 1991, to 8 feet bgs indicated that no underground storage tank was present in the area.

HAZARDOUS COMPONENTS

SWIFT ASSIVES→ 1 818 784 33041# 2 ; 5-28-93 ; 6:45 ;

ATERIAL SAFETY DATA SHEET

REFERENCE 8

PRODUCT NAME: C1050 ADHESIVE

PRODUCT CODE: C1050

HMIS CODES: H F R P

1* 1 0

and the second of the second and the second

MANUFACTURER'S NAME: SWIFT ADHESIVES

ADDRESS: 3100 WOODCREEK DRIVE; P.O. Box 1546, DOWNERS GROVE, IL 60515

EMERGENCY PHONE: (800) 424-9300 (CHEMTREC)

INFORMATION PHONE: (708) 971-6816

NAME OF PREPARER : J. L. WHITEGEL

Nia

REASON REVISED : ADDRESS CORRECTION

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

VAPOR PRESSURE WEIGHT OCCUPATIONAL EXPOSURE LIMITS CAS NUMBER OSHA PEL ACGIN TLV OSHA STEL ACGIN STEL ATT HE S TEMP PERCENT

*METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) 000071556 350ppm 350ppm 450ppm 450ppm 100.0 68F

DATE REVISED : 12-02-91

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

======== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS ==========

BOILING POINT: 162 F SPECIFIC GRAVITY (H2O=1):

VAPOR DENSITY: HEAVIER THAN AIR

EVAPORATION RATE: FASTER THAN BUTYL ACETATE 0.98 LB/GL (117 G/L) 0.24 LB/GT / COATING V.O.C. : MATERIAL V.O.C.: 0.24 LB/GL (29 G/L)

SOLUBILITY IN WATER: INSOLUBLE

APPEARANCE AND ODOR: YELLOW-BROWN (AMBER) FLUID; PUNGENT SOLVENT ODOR.

-----SECTION IV - FIRE AND EXPLOSION HAZARD DATA ------

FLASH POINT: NONE

METHOD USED: N/A

FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 7.5% UPPER:

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS. KEEP CONTAINERS COOLED, IF POSSIBLE, TO PREVENT RUPTURE AND RELEASE OF SOLVENT AND RS.

UNUSUAL FIRE AND EXPLOSION HAZARDS

PRESSURE BYSTEMS AND SPRAY EQUIPMENT CONTAINING ALUMINUM OR GALVANIZED METAL IN CONTACT WITH THE WET PRODUCT SHOULD NOT BE USED WITH THIS PRODUCT. THE SOLVENT IN THE PRODUCT IS CORROSIVE TO AND MAY REACT VIGOROUSLY WITH THESE METALS.

CONTACT YOUR EQUIPMENT SUPPLIER TO DETERMINE THE PRESENCE OR ABSENCE OF THESE METALS IN YOUR SYSTEM.

MATERIAL SAFETY DATA SH

PAGE 2 OF

1 010 104 33041# 5

STABILITY: STABLE

CCTDITIONS TO AVOID

ATIBLE MATERIALS, OPEN FLAME, WELDING ARCS OR OTHER HIGH TEMPERATURE SOURCES CAUSING THERMAL DECOMPOSITION.

INCOMPATIBILITY (MATERIALS TO AVOID)

ALUMINUM, MAGNESIUM, ZINC AND ALLOYS, STRONG OXIDIZERS, NITRATES, STRONG ALKALI AND SOLVENTS SUCH AS ACETONE.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

CARBON HONOXIDE, CARBON DIOXIDE, HYDROGEN CHLORIDE, CHLORINE AND POSSIBLE TRACES OF PHOSGENE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

NONE

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

INHALATION OF HIGH VAPOR CONCENTRATIONS CAN CAUSE THROAT IRRITATION, DIZZINESS, DROUSINESS, HEADACHE AND NAUSEA. THERE MAY ALSO BE BLOOD PRESSURE DEPRESSION, CARDIAC SENSITIZATION AND VENTRICULAR ARRHYTHMIA.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN DEFATTING AND DRYING IF CONTACT OCCURS. EYE IRRITATION WITH POSSIBLE TRANSIENT CORNEAL DAMAGE IF CONTACT OCCURS.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SIMILAR TO THOSE FOR INHALATION.

INCESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

PRIMARY ROUTE OF ENTRY. INCESTION WILL CAUSE CASTRIC DISTRESS AND IRRITATION OF THE ESOPHAGUS.

CHRONIC HEALTH HAZARD AND TARGET ORGAN EFFECTS

CHRONIC OVEREXPOSURE CAN RESULT IN LIVER AND/OR KIDNEY DAMAGE.

CARCINGGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

EXISTING ACUTE AND CHRONIC LIVER DISEASE, RHYTHM DISORDERS OF THE HEART, SKIN DISORDERS AND RESPIRATORY DISORDERS.

EMERGENCY AND FIRST AID PROCEDURES

EYES: FLUSH WELL WITH WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION WITHOUT DELAY.

SKIN: WASH IMMEDIATELY WITH WATERLESS CLEANER, FOLLOWED BY SOAP AND WATER WASH.

INHALATION: REMOVE AFFECTED PERSONS TO FRESH AIR.

INGESTION: DO NOT INDUCE VOMITING, CONSULT PHYSICIAN IMMEDIATELY.

1 818 784 3304;# 4

PAGE 3 OF :

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

TE AREA AND REMOVE ALL SOURCES OF IGNITION. TAKE UP SPILL WITH ABSORBENT MATERIAL. CLEAN UP RESIDUE WITH 1,1,1.
TRIUMLORGETHANE. WEAR SOLVENT RESISTANT CLOTHING AND GLOVES, PLUS COCCLES AND MASK FOR ORGANIC VAPORS.

WASTE DISPOSAL METHOD

DISPOSAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS. MATERIAL IS EPA HAZARDOUS WASTE (FOO2).
DO NOT FLUSH INTO SEWERS, STORM DRAINS, SURFACE WATERS OR SOIL.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING STORE AT ROOM TEMPERATURE AWAY FROM HEAT AND OPEN FLAME.

KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE.

PROTECT FROM TEMPERATURES BELOW 50 F.

OTHER PRECAUTIONS

USE WITH ADEQUATE VENTILATION. AVOID INHALING VAPORS. DO NOT TAKE INTERNALLY. AVOID CONTACT WITH SKIN AND EYES. DO NOT CUT, GRIND, WELD OR DRILL ON OR NEAR CONTAINERS OF THIS PRODUCT DUE TO THE POSSIBLE GENERATION OF TOXIC FUMES AND IGNITION OF VAPORS, PARTICULARLY WHEN CONTAINERS ARE EMPTY.

RESPIRATORY PROTECTION

CLOSH-APPROVED MARK FOR ORGANIC VAPORS IF VENTILATION IS NOT SUFFICIENT TO KEEP VAPORS WELL BELOW EXPOSURE LIMITS.

VENTILATION

LOCAL VENTILATION 19 PREFERRED AND RECOMMENDED. GENERAL ROOM VENTILATION IS SATISFACTORY ONLY IF SUFFICIENT TO KEEP JAPON LEVELS WELL BELOW EXPOSURE LIMITS.

PROTECTIVE GLOVES

SOLVENT RESISTANT, WHILE HANDLING.

YE PROTECTION

OGGLES WHILE HANDLING; GLASSES WITH BIDESHIELDS FOR GENERAL USE.

THER PROTECTIVE CLOTHING OR EQUIPMENT

YEVASH FOUNTAIN; SAFETY SHOWER.

ORK/HYGIENIC PRACTICES

ARH AFTER HANDLING AND REFORE EATING, SMOKING OR USING RESTROOMS.

SECTION IX - DISCLAIMER ------

ISCLAIMER

HIS INFORMATION IS SUPPLIED WITHOUT WARRANTY, REPRESENTATION, INDUCEMENT OR LICENSE OF ANY KIND, EXCEPT THAT IT IS CURATE TO THE BEST OF BOND-WELL ADHESIVES! KNOWLEDGE, OR OBTAINED FROM SOURCES BELIEVED BY US TO BE ACCURATE. MO-WELL ADHESIVES DOES NOT ASSUME ANY LEGAL RESPONSIBILITY FOR USE OR RELIANCE UPON SAME.

SWIFT adhesives

Division of Reichhold Chemicals, Inc. 3100 Woodcreek Drive P.O. Box 1546 Downers Grove, Illinois 60515 Tel. (708) 971-6800

REICHHOLD

June 21, 1993

Mr. Juan Hernandez Kustom Fit Manufacturing Company 8990 Atlantic South Gate, CA 90280

Dear Mr. Hernandez:

Swift C1050 Adhesive contains the organic solvent, methyl chloroform (1,1,1 trichloroethane) at a level of 82%. This adhesive does not contain any other organic solvents above the 1% reporting threshold required on the material safety data sheet.

Should you have any additional questions concerning this product; please don't hesitate to call.

Sincerely,

Nia Christoforakis

Regulatory Compliance Manager

hristoforative

/nc

laterial Safety Data Sheet

Manufacturing Div. Address					ta Sheet # <u>387</u>
Ryvec, Inc. 73	79 Orangethorpe Ave. #E	Buena Park	, CA 90621		isue Daté 5-28-93 isued By <u>P.Kvesi</u>
		7 .			
RYVEC EMERGENCY PHONE	# (714) 670-0494		,		
Product Name:	•		Product Co	de #	
URETHANE PREPOLYMER			T-45 BIN		
Chemical Family			T T- 40 DIM	DER	
POLYPROPYLENE GLYCO	L, TOLUENE DIISOCYANA	TE			
Chemical Formula		Trade Name	<u> </u>		•
N/A		Binder			
HAZAR	DOUS INGREDIENTS			·· •	
TOLUENE DIISOCYANAT	E CAS#26471-62-5			14.5	Current TL\ 0.02 PPM
PHYS	ICAL DATA				
Appearance	Melt Point	Specific Gr	avity		
Liquid	55°F	1.12 at 29	; • c		
Vapor Density (AR-1)	Color			ng Point	
6.0	Pale yellow	8.96 / gal. 251°C			
Vapor Pressure	Solubility	Odor % Volatile by Volum			
rox 0.01 mg HG Reacts with water Sharp pungent Nil					

Flash Point F (Method Used) Fla

Flammable Limit

Extinguishing Media

240° F (PMCC) ASTM D-93

Lel N.E. Uel N.E.

Water fog, CO₂, Dry Chemical

Special Fire Fighting Procedures

People who are fighting prepoly fires must be protected against prepoly and nitrogen

dioxide vapors and should wear self-contained breathing apparatus and full protective clothing.

Unusual Fire or Explosion Hazards

Avoid water contamination in closed containers or confined spaces, CO2 evolved.

TOXICITY DATA

LD50. Oral Ingestion	LD50 Dermal (Skin Contact)	Inhalation LD50
5800 mg/kg Rats	> 2 g/kg	> 2mg/1 6 hrs - Rats
Fish. LC50 Lethal Concentra	ion TLV Units Threshold lim	t value Skin Irritation
N.E.	(0.14 mg/m) TWA/Ceiling	Can cause redness, swelling & blistering-prolonged contact.
Effects to Eyes Irritation upon contact.	Effects to Lungs Irritation to muccous membra	Other Potential allergic
 Trication upon contact.	Irritation to muccous membra of upper & lower respiratory	tract, tact or inhalation.

theregency And First Aid Procedure, Effects of Over Exposure Exposures cause irritation of respiratory tract (dry throat, cough, shortness of breath, chest tightness) resulting in sinusitis, bronchitis and asthma-like symptoms. Cause sensitization in some individual resulting in asthma-like symptoms on subsequent exposures below TLV. First aid: Eyespromptly flush eyes with water for 15 min. and get medical attention. Skin- wash with water and tincture of green soap. For severe exposure, get under safety shower, remove

REACTIVITY DATA

Conditions To Avoid	
Avoid heating over 200°F, or higher, polymerizes	
Conditions To Avoid	
Contact with moisture and other material which react with isocyanates (e.g., bases, tertiary amines).	

Incompatability Materials to Avoid

'ater, Alcohols, Strong Bases, Carboxylic Acids, Metal Compounds

Hazardous Decomposition Products

Oxides of Nitrogen, Carbon Monoxide, Traces of Hydrogen Cyanide

Steps To Be Taken In Case Material Is Released Or Spilled Cover with oil absorbent mat-
The state of development of deep soap (contains isopropy)
shall charal material into onen containers and add dilute solution of ammontain
h, croxide. Let stand uncovered for 24 hours prior to disposal. Clean spill area with
water and green soap.

Waste Disposal Method

Should be in accordance with Federal, State and local environmental control regulations.

Keep waste polyol and waste diisocyanate separated. Do not dispose of in sewer system.

SPECIAL PROTECTION DATA

Respirator Type Organic cartrige respirator or disposable respirator for isocyanate exposures can be utilized for small excursions over TLV. For excessive exposures, supplied-air or self-contained breathing apparatus.

Eye Protection

Gloves

Liquid Chemical Goggles.

Plastic or rubber safety gloves.

Other Protective Equipment Ventilation (local & general) to maintain exposures below Timergency showers and eyewash stations should be provided.

SPECIAL PRECAUTIONS & STORAGE DATA

Storage Temperature
Min. 60°F Max. 90°F

Average Shelf Life 6 months

Special Sensitivity (Heat, Light, Moisture)

Storage in tightly closed containers to protect from moisture.

Precautions To Be Taken In Handeling And Storing

This product reacts with water and other substances to provide carbon dioxide gas which can cause sealed containers to expand, and possibly rupture. Containers should not be resealed if contamination is suspected.

SHIPPING DATA

D.O.T. Shipping Name	Technical Shipping Name		
Prepoly	Prepolymer		
D.O.T. Hazard Classification Dison			
D.O.T. Labels Required	Freight Classification		

D.O.T. Labels Required
Poison

Chemicals, NOI RVNX 50¢/1b. (Pkg)

Peter Kvesic Letter Kvesic Owner, Technical Prod. R	Rep.
Date Initiated Date Approved	,
may 28, 1993 may 28, 1993	•

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Ryvec, Inc. The data on these sheets relates only to the specific material designated herein. Ryvec, Inc. assumes no legal responsibility for use or reliance upon these data.

au-45 BINDER IS $\underline{ ext{NOT}}$ MANUFACTURED WITH ANY SUBSTANCE WHICH HARMS THE ENVIRONMENT BY DESTROYING THE OZONE IN THE UPPER ATMOSPHERE.

REPORT SUPPLEMENTARY PHASE II INVESTIGATION 8990 ATLANTIC AVENUE SOUTH GATE, CALIFORNIA FOR KUSTOM FIT

DAMES & MOORE JOB NO. 23042-001-128 NOVEMBER, 9 1992



LOS ANGELES, CALIFORNIA

REPORT KUSTOM FIT SUPPLEMENTARY PHASE II INVESTIGATION 8990 ATLANTIC AVENUE SOUTH GATE, CALIFORNIA FOR KUSTOM FIT

1.0 INTRODUCTION

Presented in this report are the results of Dames & Moore's Supplementary Phase II Investigation at the Kustom Fit manufacturing facility located at 8990 Atlantic Avenue in the City of South Gate, California ("site" or "subject property"). This investigation was conducted in accordance with our proposal dated October 21, 1992.

Dames & Moore performed an initial Phase II Assessment of the site which included the collection and analyses of subsurface soil samples for Volatile Organic Compounds (VOCs), Total Recoverable Petroleum Hydrocarbons (TRPH) and Title 22 Metals. The analytical results indicated low level concentrations of tetrachloroethene (PCE) and 1,1,1-trichloroethane (TCA), as well as waste oil in the shallow soils near the truck repair area and the foam molding area. The VOCs detected appeared to be present only in the soils at 0.5 feet below ground surface (bgs) and were non-detectable in samples from below that depth. Waste oil was detected in the soils to a depth of 10 feet bgs in the truck maintenance area.

2.0 PURPOSE AND SCOPE

The purpose of this Supplementary Phase II Investigation program was to further investigate the potential presence of petroleum hydrocarbons in the vicinity of the truck maintenance area. The scope of services for this investigation were as follows:

- Advancement, logging, and sampling of three soil borings to depths of 20 feet bgs near the block wall in the truck repair area (Figure 1). Soil samples were collected at depths of 5, 10, and 20 feet bgs;
- Analyses of soil samples for TRPH by EPA Method 418.1;
- Preparation of this report describing the field work, summarizing our laboratory results, and providing Dames & Moore's professional conclusions and recommendations regarding further actions, as appropriate.

3.0 FIELD PROCEDURES

On October 30, 1992 Dames & Moore geologist Paul Dworian conducted the soil sampling at the Kustom Fit facility (Figure 1). The borings were advanced using a six-inch hollow stem auger, and soil samples were collected using a split spoon sampler fitted with stainless steel rings. Soil samples were collected at depths of 5, 10, 15 and 20 feet below ground surface (bgs) in the borings. After completion, the borings were backfilled with cement/bentonite grout to the surface, and finished with concrete. Boring logs including descriptions of the soils encountered are presented in Appendix A.

The samples taken at the site were placed in a cooler with blue ice and sent to D & M Laboratories, a state certified laboratory. The soil samples collected were analyzed for TRPH by EPA method 418.1. The results of these analyses as well as the previous soil analytical results for the site are summarized on Table 1. The laboratory data sheets and the completed chain-of custody for the samples are presented in Appendix B.

4.0 FINDINGS

4.1 SOIL CONDITIONS

The soil at the site was found to consist of fine sandy silt to silty fine sand, with some coarse to medium sands. A 0.5 to 1 foot thick layer of coarse sand and pebble fill was found beneath the asphalt at borings B-5 and B-7. Complete descriptions of the soils encountered are in the boring logs, Appendix A.

4.3 ANALYTICAL RESULTS

Samples from depths of 5, 10 and 20 were analyzed for TRPH by EPA Method 418.1. The analytical results indicate no petroleum hydrocarbons in the soil above the detection limit of 30 mg/Kg.

5.0 SUMMARY AND CONCLUSIONS

Previous analytical results indicated low concentrations of PCE and 1,1,1-TCA in a shallow soils near the truck maintenance area (borings B-1, B-2). This appears to be limited to the shallow soils, and was not found in samples from greater than 0.5 feet bgs. VOCs were not detected in samples from B-3 and B-4. Based on the levels, type, and distribution of detectable VOCs in soil, no further investigations for VOCs are recommended at this time.

Waste oil was detected at a depth of 0.5 feet bgs in sample B-3, 5 feet bgs in sample B-1, and 10 feet bgs in soil sample B-2. Petroleum hydrocarbons were not detected in the samples analyzed from borings B-5, B-6, and B-7.

The source of the hydrocarbons found in the shallow soils at B-3 may be the water in the nearby trench, washing surface hydrocarbons into the underlying soils. We recommend that the nearby trench be covered with asphalt, and that the source of the water be diverted through a pipe.

Based the lack of waste oil found in borings B-5, B-6, and B-7, it appears likely that the small amounts of waste oil found in the deeper soils of borings B-1 and B-2 represent small pieces of asphalt and/or surface soils containing waste oil may have fallen into the augured hole, and were picked-up by the hand sampler. Due to the nature of the soils (loose silty sand), difficulty was encountered in hand sampling the soils from B-1 and B-2 at depth, increasing the likelihood of surface materials entering the borehole. These problems were avoided in borings B-5, B-6 and B-7 by the use of powered auger and a down-hole slide hammer.

Based on the distribution and amount of type of petroleum hydrocarbons found in the borings, no additional subsurface sampling or remedial efforts are recommended at the site at this time.

6.0 LIMITATIONS

The conclusions presented in this report are professional opinions based solely upon visual observations of the site and vicinity and our interpretation of the available analytical data obtained. They are intended for the purpose outlined herein and at the site location and project indicated. This report is for the sole use of our client. The scope of the services performed in the execution of this investigation may not be appropriate to satisfy the needs of other users, and any re-use of this document or the findings, conclusions, or recommendations presented herein is at the sole risk of the said user.

It should be recognized that this study was not intended to be a definitive investigation of contamination of the subject property. Given that the scope of services for

this investigation was limited and that deep, soil sampling, ground-water sampling, or building material sampling and analyses were not undertaken, it is possible that currently unrecognized contamination may exist at the site and that the level of this potential contamination may vary across the site.

Opinions and recommendations presented herein apply to site conditions existing at the time of the investigation. They cannot necessarily apply to changes at the site of which this office is not aware and has not had the opportunity to evaluate. This report is intended for the use in its entirety; no excerpt may be taken to be representative of the findings of this investigation.

Dames & Moore appreciates having had the opportunity to provide environmental services to Kustom Fit. If you have any questions regarding this report, please feel free to contact us.

The following are included and complete this report:

Figure 1

Soil Boring Locations

Table 1

Summary of Analytical Results

Table 2

Detection Limits

Appendix A

Boring Logs

Appendix B

Analytical Data and Chain-of-Custody Documentation

Very truly yours,

DAMES & MOORE

James E. McNally

Associate/

Paul Dworian

Project Manager



3:::0 Lakeville Highway, Petaluma, CA 94954 P.O. Box 808024, Petaluma, CA 94975-8024

Telephone: (707) 763-8245 FAX (707) 763-4065

Paul Dworian
Dames & Moore
911 Wilshire Blvd - Suite 700
Los Angeles, CA 90017

Client Code: DAML21

Survey # KUSTOM FIT

Project/Release # 25489-001-042

LABORATORY RESULTS

Page 1

Date Collected: 10/30/92 Date Extracted: 11/03/92 Date Analyzed: 11/04/92 Laboratory Job No.: 923161
Date Received: 10/31/92

Date Reported: 10/31/92

ASSAY: TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1 MODIFIED)

MATRIX: SOIL

LABNO	SMPLN	10-ID	RPH ng/kg	LIM. /kg
27627	B-5 1	.AB	ND	30
27628	B-5 2	?AB	ND	30
27630	B-5 4	AB	ND	30
27631	B-6 1	.AB	ND	30
27633	B-6 2	AB	ND	30
27635	B-6 4	AB	ND	30
27637	B-7 2	?AB	ND	30
27638	B-7 3	BAB	ND	30
27640	B-7 5	AB	ND	30

THIS REPORT HAS BEEN REVIEWED AND APPROVED FOR RELEASE.

PROGRAM ID: H:19NOT3

REGION IX R9M DATABASE

* * * RCRIS V 5.0.1 * * *

NOTIFICATION LIST WITH LOCATION, CONTACT NAME, AND MAILING ADDRESS ALL EVENTS

PAGE: 2616 DATE: 04/15/94

FACILITY NAME/ RCRA ID	CONTACT NAME Faci Mail	TELEPHONE LLITY ADDRESS LING ADDRESS	NOTIF DATE	CAL DIST/ COUNTY	TSD	FACIL GEN	TRN	BBL	RCY*
CD SPECTRUM INC CAD982474611	E. MANAGER 2047 GROGAN AVE PO BOX 2223	(209)383-7412 MERCED MERCED	06/17/88 CA 95340 CA 95344	5 MERCED	- .	LQG	-	-	-
CAMARILLO TEXAGO CAD982474629	E. MANAGER 256 CARMEN DR 256 CARMEN DR	(805)987-6266 Camarillo Camarillo	06/16/88 CA 93010 CA 93010	3 VENTURA	-	LQG	· -	- .	_
CITY BODY WORKS CAD982474637	E. MANAGER 800 20TH ST 800 20TH	(805)323-6226 Bakersfield Bakersfield	06/16/88 CA 93301 CA 93301	5 KERN	-	LQG	-	-	·
DASTEK CAD982474645	E. MANAGER 6580 VIA DEL ORO 141 ALBRIGHT WAY	(408)866-0550 San Jose Los Gatos	06/17/88 CA 95119 CA 95030	2 Santa Clara		LQG	-	· -	-
DHARMA ENTRPRISES CAD982474652	E. MANAGER 1241 21ST STREET 1241 21ST STREET	(415)839-3931 OAKLAND OAKLAND	06/15/88 CA 94607 CA 94607	2 ALAMEDA	-	SQG	-	-,	-
GARDCO LIGHTING CAD982474660	E. MANAGER 4901 EAST 12TH STREET 2661 ALVARALO STREET	(415)357-6900 Oakland San Leandro	06/15/88 CA 94601 CA 94577	2 ALAMEDA	-	*SQ	-	-	-
GE NUCLEAR ENERGY CAD982474678	E. MANAGER 175 CURTNER AVE MC 402 175 CURTNER AVE MC 402	(408)925-1612 San Jose San Jose	06/16/88 CA 95125 CA 95125	2 Santa Clara	_	*LG	-	-	-
HONDAS PLUS CAD982474686	E. MANAGER 922 #K INDUSTRIAL WAY 922 #K INDUSTRIAL WAY	(209)339-1292 LODI LODI	06/15/88 CA 95240 CA 95240	1 SAN JOAQUIN	٠ -	SQG	-	-	-
KRK OFFICE FURNITURE INC CAD982474694	E. MANAGER 4825 DISTRICT BLVD 3000 E IMPERIAL HWY	(213)632-7162 VERNON LYNWOOD	06/16/88 CA 90058 CA 90262	LOS ANGELES	-	LQG	-	-	
KRK OFFICE FURNITURE INC CAD982474702	E. MANAGER 3000 E IMPERIAL HWY 3000 E IMPERIAL HWY	(213)632-7167 Lynwood Lynwood	06/16/88 CA 90262 CA 90262	3 LOS ANGELES	-	LQG	-	-	-
KUSTOM FIT MFG CO CAD982474710	E. MANAGER 8990 ATLANTIC 8990 ATLANTIC	(213)564-4481 SOUTH GATE SOUTH GATE	06/17/88 CA 90280 CA 90280	3 LOS ANGELES	5	LQG	-		-
LAMB AIR CUSTOM PAINTING CAD982474728	E. MANAGER 1521 W NIELSON 1521 W NIELSON	(209)268-3709 FRESNO FRESNO	06/17/88 CA 93706 CA 93706	5 FRESNO	-	· SQG	-	-	- .

APPENDIX C

CONTACT LOG

Site:

Kustom Fit Hi-Tech Seating Products, Inc.

EPA ID:

CAD 983576190

Name	Affiliation	Phone	Date	Information
Art Montano	Los Angeles Health Dept., Office of Drinking Water	(213) 620-2980	12/2/93	See Contact Report by Deborah Tharp, Bechtel Environmental, Inc. (BEI).
Dwayne C. Maxwell	State of California, Dept. of Fish and Game	(310) 590-5137	12/2/93	See Contact Report by Deborah Tharp, BEI.
Ronald Fick	Maywood Mutual Water Company No. 3	(213) 771-5985	4/14/94	See Contact Report by Virginia Demetrios, BEI.
Adrian Yasutake	City of Vernon Water Department	(213) 583-8811	4/14/94	See Contact Report by Virginia Demetrios, BEI.
Edwina Provencal	Tract 349, Mutual Water Company	(213) 560-1601	4/15/94	See Contact Report by Virginia Demetrios, BEI.
Warren Rickabaugh	Maywood Mutual Water Company No. 2	(213) 581-5816	4/18/94	See Contact Report by Virginia Demetrios, BEI.
Randy Long	Tract 180, Water Company	(213) 771-6682	4/18/94	See Contact Report by Virginia Demetrios, BEI.
Janet Borden	Walnut Park Mutual Water Company	(213) 585-7321	4/18/94	See Contact Report by Virginia Demetrios, BEI.
Betty Everly	California Environmental Protection Agency, Department of Toxic Substances Control (DTSC), Region 3	(818) 551-2800	4/19/94	The DTSC has no files or records concerning the Shellmar Products Corporation, Kustom Fit Manufacturing, or any facility at 8990 Atlantic Ave. in South Gate.



Site: Kustom Fit Hi-Tech Seating Products, Inc.

Nome	A stilication	Dham		
Name	Affiliation	Phone	Date	Information
Joe Hernandez	California Environmental Protection Agency, Regional Water Quality Control Board (RWQCB), Region 4	(213) 266-7500	4/19/94	The RWQCB has no files or records concerning the Shellmar Products Corporation, Kustom Fit Manufacturing, or any facility at 8990 Atlantic Ave. in South Gate.
Tony Vasquez	City of Downey, Water Division	(213) 904-7202	4/20/94	See Contact Report (with attachments).
Monte Jewett	Maywood Mutual Water Company No. 1	(213) 560-2439	4/20/94	See Contact Report.
Bency Armijo	City of Huntington Park, Dept. of Public Works	(213) 587-5969	4/25/94	See Contact Report by Virginia Demetrios, BEI.
Van Nguyen	City of Lynwood, Dept. of Water	(310) 603-0220	4/25/94	See Contact Report.
Librarian	City of Los Angeles, Public Library	(213) 228-7300	4/28/94	According to the 1990 Census of Population and Housing Characteristics, Calif., from the U.S. Bureau of Census, the average number of people per household in Downey is 2.77.
John Chambers	City of South Gate, Public Works Dept.	(213) 563-5790	5/3/94	See Contact Report (with attachments).
Captain Morgan	Los Angeles County Fire Dept. (LAFD), Station 54, South Gate	(213) 567-8580	8/5/94	The LAFD inspects the site. No record of any outstanding violations. Kustom Fit Manufacturing at 8990 Atlantic Ave. in South Gate is in compliance with the fire department regulations.
Hemand Desai	South Coast Air Quality Management District	(909) 396-2596	8/8/94	See Contact Report.

A192 0014

CONTACT REPORT

AGENCY/AFFILIATION: South Coast Air	r Quality Man	agement l	District REFERENCE 1
DEPARTMENT: Stationary Source Divisio	n		
ADDRESS: 21865 East Copley Ave.	CITY	: Diamo	nd Bar
COUNTY: Los Angeles	STA	ГЕ: СА	ZIP: 91765
CONTACT(S) Hemand Desai	TITL	E	PHONE (909) 396-2596
BEI PERSON MAKING CONTACT: Mayr	ard Geisler//	(f 125.	DATE: 8/8/94
SUBJECT: Permit Status			
SITE NAME: Shellmar Products Corporation (aka Kustom Fit Manufacturi	on ng)	EPA II	D: CAD 983576190

DISCUSSION:

Kustom Fit Hi-Tech Seating Products, Inc. has 11 permits, issued by the South Coast Air Quality Management District (SCAQMD), to operate various types of equipment on site. The last inspection of Kustom Fit Hi-Tech Seating Products, Inc. by the SCAQMD was in April 1994. At that time the SCAQMD issued a notification of noncompliance to Kustom Fit Hi-Tech Seating Products, Inc. for not properly posting SCAQMD permits and for failure to renew a SCAQMD permit to operate a drying oven on site. Those violations have since been corrected.

CONTACT CONCURRENCE:

DATE

1



Site: Kustom Fit Hi-Tech Seating Products, Inc.

Name	Affiliation	Phone	Date	Information
Joe Hernandez	California Environmental Protection Agency, Regional Water Quality Control Board (RWQCB), Region 4	(213) 266-7500	4/19/94	The RWQCB has no files or records concerning the Shellmar Products Corporation, Kustom Fit Manufacturing, or any facility at 8990 Atlantic Ave. in South Gate.
Tony Vasquez	City of Downey, Water Division	(213) 904-7202	4/20/94	See Contact Report (with attachments).
Monte Jewett	Maywood Mutual Water Company No. 1	(213) 560-2439	4/20/94	See Contact Report.
Bency Armijo	City of Huntington Park, Dept. of Public Works	(213) 587-5969	4/25/94	See Contact Report by Virginia Demetrios, BEI.
Van Nguyen	City of Lynwood, Dept. of Water	(310) 603-0220	4/25/94	See Contact Report.
Librarian	City of Los Angeles, Public Library	(213) 228-7300	4/28/94	According to the 1990 Census of Population and Housing Characteristics, Calif., from the U.S. Bureau of Census, the average number of people per household in Downey is 2.77.
John Chambers	City of South Gate, Public Works Dept.	(213) 563-5790	5/3/94	See Contact Report (with attachments).
Captain Morgan	Los Angeles County Fire Dept. (LAFD), Station 54, South Gate	(213) 567-8580	8/5/94	The LAFD inspects the site. No record of any outstanding violations. Kustom Fit Manufacturing at 8990 Atlantic Ave. in South Gate is in compliance with the fire department regulations.
Hemand Desai	South Coast Air Quality Management District	(909) 396-2596	8/8/94	See Contact Report.



Site: Kustom Fit Hi-Tech Seating Products, Inc.

Name	Affiliation	Phone	Date	Information
Van Nguyen	City of Lynwood, Dept. of Water	(310) 603-0220	8/10/94	Standby well 20 is not maintained and will be abandoned this year.
John Hunter	City of South Gate, Dept. of Public Works	(310) 802-7880	8/15/94	See Contact Report.
Lubo Tomaier	City of South Gate, Department of Public Works	(213) 563-9537	8/16/94	Stormwater runoff from the City of South Gate in the vicinity of Firestone Blvd. and Atlantic Ave. drains into the Los Angeles River.
Bill Garret	County Sanitation District of Los Angeles County (CSDLA)	(310) 699-7411	8/23/94	The CSDLA permits wastewater discharges from the site to the sanitary sewer. The permit requires that the wastewater be monitored for pH, metals, and organic compounds. The site is currently in compliance with the CSDLA permit. Permitted zinc discharges are 25 ppm (instantaneous discharge), 2.61 ppm (24 hour composite), and 1.48 ppm (monthly average).



Certified Testing Laboratories, Inc.

2648 East 28th Street • Signal Hill, CA 90806 • TEL: (310) 424-9992 • FAX: (310) 492-1203

page 1 of 2 LABORATORY NO. REPORTED 11-02-93 22183 CLIENT Kustom Fit Mfg. Co. SAMPLED 10-25-93 8990 S. Atlantic Avenue South Gate, CA 90280 RECEIVED 10-26-93 Attn: Juan Hernandez SAMPLE Wastewater July - December 1993 SMR Permit #5594 SIC #3479-2531 SAMPLE ID

Surcharge #1769214 Laboratory ID #10110

•		·		•
<u>Analyte</u>	Results (mg/L)	Detection Limit (mg/L)	Date <u>Analyzed</u>	EPA <u>Method</u>
22183-1 24 hour time composite	10/25-26/9	3		
Chemical Oxygen Demand Suspended Solids Cadmium (Total) Chromium (Total) Copper (Total) Lead (Total) Nickel (Total) Silver (Total) Zinc (Total)	62 37 ND ND ND ND ND ND	5.0 5.0 0.02 0.05 0.05 0.1 0.1 0.03 0.05	10-29-93 10-27-93 10-27-93 10-27-93 10-28-93 11-02-93 10-28-93 10-28-93	410.1 160.2 213.1 218.1 220.1 239.1 249.1 272.1 289.1
pH Soluble Sulfide Cyanide (Total)	9.1 un ND ND	its N/A 0.1 0.1	10-28-93 10-28-93 11-01-93	150.1 376.2 335.2
Purgeable Halocarbons	(ug/L)	(ug/L)	10-29-93	601
Methylene Chloride Chloroform 1,1,1-Trichloroethane Carbon Tetrachloride 1,1-Dichloroethene Trichloroethylene Tetrachloroethylene Bromodichloromethane Dibromochloromethane Bromoform	ND	5.0 0.5 0.5 0.5 0.5 0.5 0.5		
Vinyl Chloride	ND	1.0		

22183

CLIENT

Kustom Fit Mfg. Co.

Analyte Purgeable Halocarbons (cont.)	Results (ug/L)	Detection Limit (ug/L)	Date <u>Analyzed</u> 10-29-93	EPA Method 601
1,1-Dichloroethane 1,1,2-Trichloroethane 1,2-Dichloroethane trans-1,2-Dichloroethylene Bromomethane Chloroethane 2-Chloroethylvinylether Chloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene trans-1,3-Dichloropropene 1,1,2,2-Tetrachloroethane	ND N	0.5 0.5 0.5 1.0 1.0 0.5 1.0 0.5 0.5		
Purgeable Aromatics Chlorobenzene O-Dichlorobenzene M-Dichlorobenzene P-Dichlorobenzene Benzene Toluene Ethylbenzene	ND ND ND ND ND ND	1.0 1.0 1.0 0.5 1.0	10-28-93	602

ND = Not Detected

Attachment: Chain of Custody

Respectfully submitted, CERTIFIED TESTING LABORATORIES, INC.

David L. Blecha Laboratory Manager

/nnh

		C	HAIN	OF.	CUS	TOD	Y RE	CO	RD				·		P	age/	of 1
CERTIFIED TESTING L								The second		ple inf				<u> </u>	ab Log	; #: 2	2183
2648 East 28th Street, Tel: (310) 424-9332	Signal Hill, CA Fax: (310) 492	90806 1203	1			120,						5-26,	153		Due: /	11-8	.93
Project Info	rmation		Turn	around:	<u> </u>	l hours		days	44. 6 4	5-10 nt Inf e		lon 🎉		Samp Signa	iture:	<u>ν</u>	<u>つ・</u>
Name/Location:	CONTRACTOR OF THE STATE OF THE		Clien	t:	Yus	ton	fit	M	le		<u> </u>	4.25		Custo	mer#	#:	
July-Dec	1993		Addr	ess:					`					Conta	act:		
Project Manager:														Phone	e #:		
Project Number:			Addit	ional In	fo:			·						Projec	ct/P.O	. #:	
	Sample ID				4					S.D.	Tes	ts Rec	uired			RI	EMARKS
Client Sample Description Client ID #	Number (For Lab use only)	Date Time	COMP.	# of Con- tal- ners	con- con- mers	Amoum of Sam- ple	Typ Ma Ma	e of iple (rix)	(20)	(\$) 0-1, cred cu, Pb, Ni, / 27	CNO)	80 %	300	T.		, Ma Speci	azardous aterials? lai Handling equired?
Isco				1	40m	L	wlu	J	X			•				N. S.	,
ч				1	cub	e .				X							
GRAB				1	500	nL					X				•		
И				1	125n	n						X					
h				4	40 m	_							X				
ļ/							\	\mathcal{V}						X			
Relinquished by:		Received	I By:		1			Da	ite/Ti	me:	L		- I	inused p	ortions	of samples.	the disposal of
Relinquished by:	7	Received	l By:			· · · · · · · · · · · · · · · · · · ·		Da	te/Ti	me:				samples dispose d samples	for 30 d of all nor for a fee	lays. After 3 naqueous ar e.	30 days, CTL will nd all hazardous
Received for Laboratory By:	Wolft	my						Da	te/Ti	me: <i>[0]</i>	124	193		L. Client 2. Lab D	will pick		by by
Report Copy White	Inorgani Yelk	c Copy /		0	rganic (Green	Copy 1			Sar	mple C	ontro Pink	І Сору				Courier (Сору



Certified Testing Laboratories, Inc.

2648 East 28th Street • Signal Hill, CA 90806 • TEL: (310) 424-9992 • FAX: (310) 492-1203

page 1 of 2

LABORATORY NO. 24197 REPORTED 06-13-94 CLIENT

Kustom Fit Manufacturing Co. SAMPLED 05-26-94

8990 S. Atlantic Avenue South Gate, CA 90280 RECEIVED 05-27-94 Attn: Juan Hernandez

SAMPLE Wastewater

January - June 1994 SMR Permit #5594 SIC #3479-2531 Surcharge #1769214 - Laboratory ID #10110 SAMPLE ID

,		-		
Analyte	Results (mg/L)	Detection Limit (mg/L)	EPA <u>Method</u>	Date Analyzed
24197-1 24 hour time compo	osite 05/26-27	/94		
Chemical Oxygen Demand Suspended Solids Cadmium (Total) Chromium (Total) Copper (Total) Lead (Total) Nickel (Total) Silver (Total) Zinc (Total)	87 40 ND ND ND ND ND ND	5.0 5.0 0.02 0.05 0.05 0.1 0.04 0.05	410.1 160.2 200.7 200.7 200.7 200.7 200.7 200.7	06-10-94 05-31-94 06-09-94 06-09-94 06-09-94 06-09-94 06-09-94
24197-2 Grab 05-27-94				
pH Cyanide (Total) Soluble Sulfide	8.7 uni ND ND	0.1 0.1	150.1 335.2 376.2	05-27-94 06-01-94 06-02-94
Purgeable Halocarbons	(µg/L)	(ha\r)	601	06-10-94
Methylene Chloride Chloroform 1,1,1-Trichloroethane Carbon Tetrachloride 1,1-Dichloroethene Trichloroethylene Tetrachloroethylene Bromodichloromethane	ND ND ND ND ND ND ND ND ND	5.0 0.5 0.5 0.5 0.5 0.5 0.5		
Dibromochloromethane Bromoform Vinyl Chloride 1,1-Dichloroethane 1,2-Trichloroethane 1,2-Dichloroethane trans-1,2-Dichloroethylene	ND ND ND ND ND ND ND	0.5 0.5 1.0 0.5 0.5 0.5	/	

LABORATORY NO.

24197

CLIENT

Kustom Fit Manufacturing Co.

Analyte	Results (µg/L)	Detection Limit (µg/L)	EPA <u>Method</u>	Date <u>Analyzed</u>
24197-2 Grab 05-27-94 (c	continued)			
Purgeable Hydrocarbons (continued)		602	06-10-94
Bromomethane Chloroethane 2-Chloroethylvinylether Chloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene trans-1,3-Dichloropropene 1,1,2,2-Tetrachloroethane		1.0 1.0 0.5 1.0 0.5 0.5 0.5		
Purgeable Aromatics			602	06-09-94
Chlorobenzene O-Dichlorobenzene M-Dichlorobenzene P-Dichlorobenzene Benzene Toluene Ethylbenzene	ND ND ND ND ND ND	1.0 1.0 1.0 1.0 0.5 1.0	,	

ND = Not Detected NA = Not Applicable

Attachment:

Chain of Custody Industrial Wastewater Self Monitoring Report

Respectfully submitted, CERTIFIED TESTING LABORATORIES, INC.

David L. Blecha Laboratory Manager

/nnh

CHAIN OF CUSTODY RECORD

Page of

																_				
CERTIFIED TESTING LA	BORATOR	IES, Inc									Samp	le Info	ormati			La	b Log	#: 2	4195	
2648 East 28th Street, S	ignal Hill; (A 908	306	Da	te Re	eceive	ed: 3	7 99		Date	Samı	pled.	100	27		Date [,	10 19K	ł	
tel: (310) 424 9332; Fa	1010/4	32-120 32-120		Tur	rnaro	und:	<u>.</u> 24	hours	□ 3	days		5 -10	days			Sampl Signat	ler	N.		
Project Inform	nation 1										Çilei	nt Info	rmatic	in .	ŔĠ					
Name/Location:				Cli	ent:	Ku:	Stow	1 Fit	- MF	6	(0)					Custo	mer #:			
5m. June	1994			Add	dress	s:80	190	S. A	Hlar	47	A	Je.				Conta	ct:			
Project Manager: HUY	Quin	ones		Ĺ	<u> </u>	44	6	te	Ca.							Phone	#:			
Project Number:	<u> </u>			Add	ditior	nal Inf	fo:									Projec	t/P.O.	#:		
			1432	翻					J. 74				A) Test	s Req	ulred.				* 7/5	
Client Sample	Sample ID Number		Time	CO	G R	# of Con-	Type ≥ of ‡	Amount of	Туре	of			_ <	-P	waga in the PA		7	为要 Hi	EMARKS azardóu: ateriais	
Client ID #	(For Lab use only)	Date:	, ilme:	MP	AB	# of Con- tal- ners	Type of: Con- tal- ners	Sam- ple :	Type Sam (Mat	ik).	R	37	24	=	\mathfrak{F}_{ζ}	N.	7/3	Spec	ateriais Ial Hand equired i	ling-
											\mathcal{Z}	\$ 2	2	20	3	3	3,			
Istage Clariter.	ļ	5/144	<u> </u>	4			40	1100	u	W	ملا									
				*		1_	gal	abe				لخ	صح					-		
					*			D						سلح						
					*	(500	lima							مو					
•					+		BS	lin'					<u> </u>			4				
	-	1			4	4	UO	mil	1								g			
Relinquished by:		R	eceived	Ву:		7		7		Da	ate/Tir	ne:			ļυ	nused po	ortions o	f samples	the dispos	store
Relinquished by:		R	eceived	Ву						Da	ate/Tir	ne:		,	d s	ispose o amples f	f all non or a fee.	aqueous a	30 days, C and all haza	
Received for Laboratory By:	ml	-62		1/	<u>S.</u>	· 	7-			Da	te/Tir	ne:	27/45			Client Lab Di	will pick isposal	up	by by	
Report Copy White	Inorg	anic Cop Yellow	py 7			Òr	ganic Greer				San		ontrol Pink -	Сору			(Courier Gold		

CONTACT REPORT

REFERENCE 19

AGENCY/AFFILIATION: City of South Gate CC							
DEPARTMENT: Department of Public Works							
ADDRESS: 8650 California Ave.	CITY: South	CITY: South Gate					
COUNTY: Los Angeles	STATE: CA	ZIP: 90280					
CONTACT(S) John Hunter	TITLE	PHONE (310) 802-7880					
BEI PERSON MAKING CONTACT: Maynard Geisler 1 DATE: 8/15/94							
SUBJECT: Compliance Status							
SITE NAME: Kustom Fit Hi-Tech Seating Products, Inc. EPA ID: CAD 983576190							

DISCUSSION:

The City of South Gate, Department of Public Works (DPW) permits Kustom Fit Hi-Tech Seating Products, Inc. to discharge wash water to the sanitary sewer system. DPW is primarily concerned with the pH of the discharge water. DPW requires that the pH be greater than 6. In 1990, Kustom Fit Hi Tech Seating Products, Inc. was cited for discharging wash water with a pH of 5.5. Kustom Fit Hi-Tech Seating Products, Inc. is currently in compliance with DPW requirements.

CONTACT CONCURRENCE	•	DATE:
---------------------	---	-------

REFERENCE 20

Bechtel

50 Beale Street San Francisco, CA 94105-1895 Mailing address: P.O. Box 193965 San Francisco, CA 94119-3965

December 16, 1993

Lisa Nelson Site Assessment Manager U.S. Environmental Protection Agency Region IX 75 Hawthorne Street San Francisco, CA 94105

SUBJECT: Southgate Site Discovery

Dear Lisa: \

Last Wednesday, December 8, Michele Dermer, Jordie Bornstein, Tom Genolio, and I met with Mark Calhoun to discuss our findings to date for the Southgate Site Discovery Task. This letter summarizes the Southgate Site Discovery process to date and the findings that we presented to Mr. Calhoun.

Site Discovery Process to Date. Based on Bechtel's September 21, 1993 letter to you and one subsequent telephone conversations with Mr. Calhoun, we gathered information on Southgate area hydrogeology, trichloroethene (TCE) and perchloroethene (PCE) contamination in groundwater, and potential sources of TCE and PCE within 2 miles of Cooper Drum. Using published reports and site files, a summary of hydrogeology within 2 miles of the site was prepared. Public supply wells and site-specific monitoring wells in which PCE and/or TCE had been detected were identified. Additionally, we arranged for a "radius profile" to be generated showing sites within 2 miles of Cooper Drum listed in federal, state, and county environmental databases. Based on sites identified by this radius profile, names of sites provided by Mark Calhoun, and conversations with regulatory agency staff, a list of 45 potential sites was compiled. Regulatory agencies were contacted and agency files concerning these sites reviewed. A list summarizing agency file information was also prepared. The radius profile is included as Attachment 1 while a contact log summarizing conversations with the EPA and state and local regulatory agencies is included as Attachment 2.

Southgate Area Hydrogeology. Hydrogeologically, a series of nine aquifers have been identified in the Southgate area. Most of these aquifers are separated by low-permeability aquicludes or aquitards that inhibit the vertical flow of water. However, abandoned or improperly constructed wells could facilitate the vertical flow of water between aquifers.

Groundwater in the four shallower aquifers in the area (water table to approximately 300 feet below ground surface) flows to the north or northwest at a gradient of approximately 0.001 foot/foot (ft/ft). Groundwater in deeper aquifers in the area generally flows to the northwest, west, or southwest at a average gradient of approximately 0.005 ft/ft. Groundwater in deeper aquifers flows from percolation basins along the Rio Hondo in the Montebello area approximately 8 miles northeast of the Cooper Drum site. Locally, public supply wells extract groundwater from the deeper aquifers. Attachment 3 to this letter discusses hydrogeology around the Cooper Drum site.

TCE and PCE Contamination in Groundwater. Within 2 miles of the Cooper Drum site, PCE and TCE have been detected in monitoring wells screened in shallow hydrogeologic units immediately below the water table and in public supply wells screened in deeper aquifers. There



HYDROGEOLOGIC SUMMARY SOUTH GATE SITE DISCOVERY South Gate, California

INTRODUCTION

The following sections summarize the hydrogeologic conditions in an area included by a 2-mile radius centered on the Cooper Drum site in South Gate, California. This summary is based on review of DWR, 1961, and groundwater flow contour maps provided by the Los Angeles County Department of Public Works, LADPW, 1978 and 1992.

HYDROGEOLOGY

The following sections discuss the hydrogeologic setting, stratigraphy, and aquifer characteristics of the study area. Figure 1 illustrates the study area location, selected City of South Gate water well locations, and cross-section lines B-B' and L-L'. Figure 2 illustrates geologic cross sections B-B' and L-L'. Table 1 summarizes City of South Gate water well construction details and groundwater analytical data. Water well logs are included in Appendix A.

Hydrogeologic Setting

The Coastal Plain is divided into four groundwater basins, the Santa Monica Basin, the West Basin, the Hollywood Basin, and the Central Basin. The study area is located in the Central Basin. The Central Basin is divided into three regions: the Los Angeles and Montebello Forebay Areas, and the Central Basin Pressure Area. The study area is located in the Central Basin Pressure Area.

Nine aquifers have been identified within the study area of the Central Basin Pressure Area. Most of these aquifers are separated by aquitards. DWR, 1961 identifies most of the low permeability units separating the aquifers as aquicludes. An aquiclude is a low permeability unit that does not transmit water. An aquitard is a low permeability unit that can store and transmit water. Within the study area many of the aquicludes identified in DWR, 1961 may, in part, be aquitards. Current convention is to identify low permeability units that bound aquifers as aquitards unless data is available to identify a unit as a aquiclude. The following discussion will follow the DWR, 1961, use of aquiclude.

With the exception of the uppermost aquifer known as the Semiperched Aquifer, groundwater in the Central basin Pressure Area is generally confined. In most parts of the Central Basin Pressure Area, confined aquifers are separated by fine-grained aquicludes which can restrict the downward migration of surface water. However, these aquicludes are of varying lateral extent and composition and are absent is some areas where aquifers merge. The forebay areas are zones of unconfined groundwater where infiltration of surface water to underlying aquifers is most likely to occur. Studies have shown that unrestricted vertical flow of water directly to the underlying aquifers is limited to relatively small areas of the Los Angeles and Whittier Narrows located, respectively, 10-miles northwest and 10-miles northeast of the study area.

Stratigraphy

The study area is underlain by approximately 1,200 feet of unconsolidated sediments which are divided into Recent Alluvium, the Lakewood Formation, and the San Pedro Formation.

Recent Alluvium - Surficial sediments in the study area are represented by this formation. The Recent Alluvium deposits thicken to the west and south of the study area and range in thickness from 10 feet below ground surface (bgs) at the northern and eastern study area boundaries to 180 feet bgs at the southern and western study area boundaries. The Recent Alluvium is divided into the Semiperched Aquifer, in the Bellflower Aquiclude, and the Gaspur Aquifer.

Lakewood Formation - Within the study area the Lakewood Formation first occurs from approximately between 10 feet bgs and 120 feet bgs and ranges in thickness from 180 feet to 200 feet. From upper to lower units, the Lakewood Formation consists of the Bellflower Aquiclude (in the northern and eastern study area the Gaspur Aquifer is absent and the first unit of the Lakewood Formation is the Bellflower Aquiclude), the Exposition Aquifer, an unnamed aquiclude, and the Gage Aquifer.

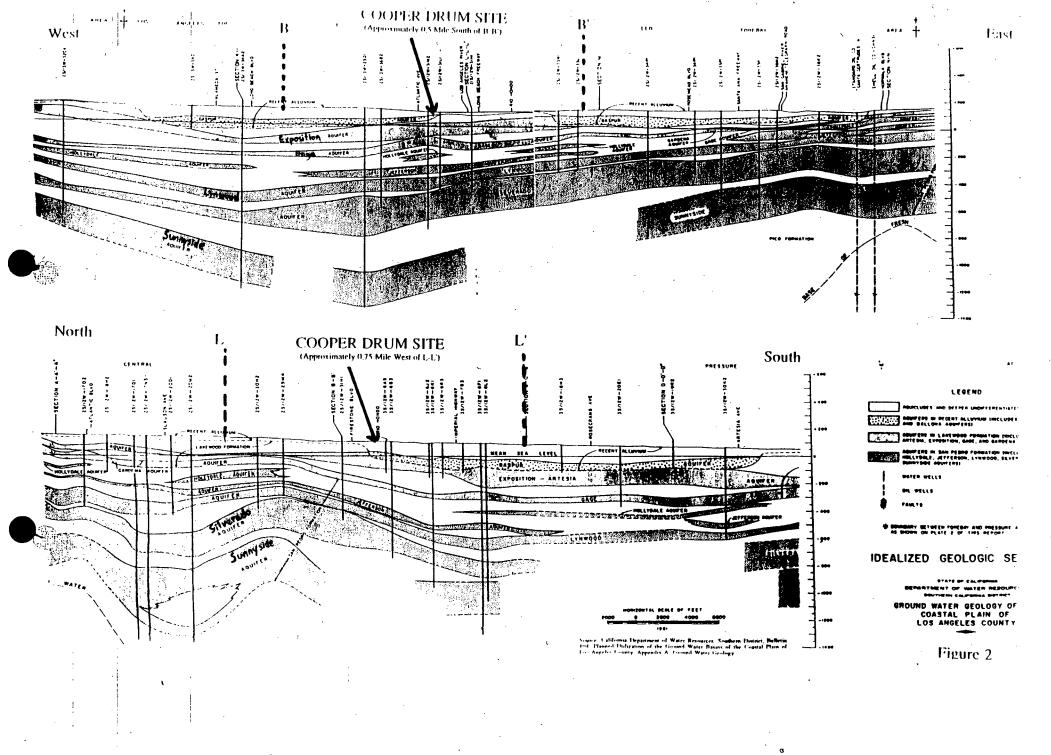
San Pedro Formation - Within the study area the San Pedro Formation first occurs from approximately between 250 bgs feet and 410 feet bgs below the surface and ranges in thickness from 850 feet to 1,100 feet. The San Pedro Formation consists of five aquifers, the Jefferson, the Hollydale, the Lynwood, the Silverado, and the Sunnyside. Unnamed aquicludes separate the aquifers.

Aquifer Characteristics

Aquifers in the Central Basin Pressure Area are divided into the upper group aquifers and the lower group aquifers. The upper group aquifers are within the Recent Alluvium and Lakewood Formations and the lower group aquifers are within the San Pedro Formation. Hydraulic conductivity values are provided for each aquifer as available in DWR, 1961. The location of the wells used for collecting the hydraulic conductivity data are within the Coastal Plain though outside the study area.

UPPER GROUP AQUIFERS

Groundwater flow in the upper group aquifers of the Central Basin was last monitored by the Los Angeles County Department of Public Works in 1978. Figure 3 illustrates the Los Angeles County Department of Public Works 1978 upper group aquifer groundwater flow map for the site vicinity. Review of the 1978 groundwater contour map indicates that at that time upper group aquifer groundwater flow in the study area was influenced by a historic pumping depression located north of the study area and by a groundwater recharge basin in the Montebello Forebay area northeast of the study area. Upper group aquifer groundwater flow beneath the study area in 1978 was north-northwest at a gradient of approximately 0.001 ft/ft. For purposes of this discussion it is assumed that the current upper group aquifer flow conditions are similar to the 1978 flow conditions. This assumption is supported by 1987 and 1988 upper group aquifer monitoring of the Gaspur Aquifer at two sites located approximately 1/2-mile west of the study area. At these sites the Gaspur Aquifer was reported flow in a northerly direction (Groundwater Technologies, 1987, and W.W. Irwin, Inc., 1988)



South Gate Site Discovery 12/15/93

Four upper group aquifers in the study ar are described below. With the exception of the Bellflower Aquiclude, detailed descriptions of aquicludes which separate the aquifers are not available.

Semiperched Aquifer - The Semiperched Aquifer occurs from the surface to depth of up to 60 feet bgs. Groundwater is unconfined in the Semiperched Aquifer. Wells perforated in this aquifer yield only small amounts of water of poor quality. The occurrence of the Semiperched Aquifer in the Coastal Plain is irregular, but most prominent in the Los Angeles and Montebello Forebay areas to the northwest and northeast of the study area. It is not known whether the Semiperched Aquifer is present in the study area. Below the Semiperched Aquifer is the Bellflower Aquiclude. The Bellflower aquiclude extends from below the Semiperched Aquifer (or from the surface when the Semiperched Aquifer is absent) to between 20 feet bgs and 80 feet bgs.

Gaspur Aquifer - The Gaspur Aquifer occurs below the Bellflower Aquiclude. This aquifer is absent in the northern third of the study area and in a small area immediately south and east of the Cooper Drum site. Within the study area the Gaspur Aquifer is up to 50 feet thick. In the western part of the study area the Gaspur Aquifer first occurs at depths which range from 20 feet bgs to 80 feet bgs. To the south the Gaspur Aquifer first occurs at depths which range from 70 feet bgs to 100 feet bgs. Beneath the Cooper Drum site, as projected from cross-section lines B-B' and L-L', the Gaspur Aquifer first occurs at a depth of between 25 feet bgs and 75 bgs. In most parts of the Central Plain groundwater in this aquifer is confined. The Gaspur Aquifer consists of sands and gravel which Gasper with depth. The hydraulic conductivity of the Gaspur Aquifer ranges up to $3x10^{-1}$ cm/sec. The Gaspur Aquifer is merged with the Exposition Aquifer in the southern portion of the study area. In the eastern study area the Gaspur Aquifer is separated from the Exposition Aquifer by an aquiclude less than 10 feet thick.

Exposition Aquifer - The Exposition Aquifer is present throughout the study area. In the study area the Exposition Aquifer ranges in thickness from 30 feet to 110 feet and first occurs at depths which range from 50 feet bgs in the east to 180 feet bgs in the south. Beneath the Cooper Drum site, as projected from cross-section lines B-B' and L-L', the Exposition Aquifer first occurs at a depth of between 70 feet bgs and 125 bgs. This aquifer is composed of coarse gravel, coarse to fine sand, silt, and clay. The hydraulic conductivity of the Exposition Aquifer ranges up to 7×10^{-2} cm/sec. West of the Cooper Drum site the Exposition Aquifer is merged with the underlying Gage Aquifer. In other parts of the study area the Exposition Aquifer is separated from the Gage Aquifer by an aquitard which ranges in thickness up to 140 feet.

Gage Aquifer - The Gage Aquifer is present throughout the study area. The Gage Aquifer ranges in thickness from 30 feet to 70 feet and first occurs at depths of between 145 feet bgs in the north to 300 feet bgs in the south. Beneath the Cooper Drum site, as projected from cross-section lines B-B' and L-L', the Gage Aquifer first occurs at a depth of between 180 feet bgs and 265 bgs. This aquifer consists of yellow fine sand and gravel. The hydraulic conductivity of the Gage Aquifer ranges up to 2×10^{-1} cm/sec. The Gage Aquifer is separated from the next lower aquifer by an aquitard which ranges in thickness from 30 feet to 180 feet.

LOWER GROUP AQUIFERS

Groundwater flow in the lower group aquifers of the Central Basin was last monitored by the Los Angeles County Department of Public Works in 1992. Figure 4 illustrates the Los Angeles County Department of Public Works 1992 lower group aquifer groundwater flow map for the site vicinity. These data are assumed to be representative of current conditions. Groundwater in the lower group aquifers is influenced by groundwater recharge in the Montebello Forebay area. The groundwater flow direction in the eastern study area ranges from northwest to southwest due to a groundwater flow ridge in this area. A groundwater flow valley in the northern study area results in a flow which ranges from southwest to northwest. Groundwater in the study area flows at an average gradient of 0.005 ft/ft.

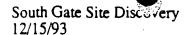
The five aquifers of the lower group aquifers are described below. Aquicludes of the San Pedro Formation are collectively described as marine, blue to black clays, sea mud, and quicksand with shells. Individual aquitard descriptions are not available.

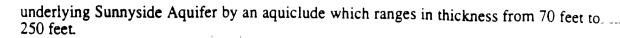
Hollydale Aquifer - The Hollydale Aquifer is discontinuous in the study area and ranges in thickness up to approximately 40 feet. This aquifer first occurs from between 220 feet bgs in the north and 470 feet bgs to the south in the study area and consists of yellow sands and gravel. Beneath the Cooper Drum site, as projected from cross-section lines B-B' and L-L', the Hollydale Aquifer first occurs at a depth of approximately 310 feet bgs. Because of its fine-grained texture, this aquifer does not yield large quantities of groundwater to wells. The Hollydale Aquifer is separated from the underlying Jefferson Aquifer by an aquiclude which ranges in thickness from 30 feet to 80 feet.

Jefferson Aquifer - The Jefferson Aquifer is present throughout the study area. The Jefferson Aquifer Ranges in thickness from 20 feet to 60 feet and first occurs at depths from between 220 feet bgs to the north and 680 feet bgs to the south. Beneath the Cooper Drum site, as projected from cross-section lines B-B' and L-L', the Jefferson Aquifer first occurs at a depth of between 390 feet bgs and 450 bgs. This aquifer consists primarily of sand with minor gravel and clay lenses. Because of its fine-grained texture, this aquifer does not yield large quantities of groundwater. The Jefferson Aquifer is separated from the underlying Lynwood Aquifer by an aquiclude which ranges in thickness from 10 feet to 40 feet.

Lynwood Aquifer - The Lynwood Aquifer is found throughout the study area. The Lynwood Aquifer ranges in thickness from 60 feet to 100 feet and first occurs at depths between 280 feet bgs to the north and 650 feet bgs to the south. Beneath the Cooper Drum site, as projected from cross-section lines B-B' and L-L', the Lynwood Aquifer first occurs at a depth of between 475 feet bgs and 525 bgs. This aquifer consists of yellow, brown, and red coarse gravels, sand, silts, and clays. The Lynwood Aquifer is an important producer of groundwater. The hydraulic conductivity of the Lynwood Aquifer ranges up to 5×10^{-2} cm/sec. The Lynwood Aquifer is separated from the underlying Silverado Aquifer by an aquiclude which ranges in thickness from 0 feet to 40 feet. The Lynwood Aquifer merges with the underlying Silverado Aquifer in the eastern study area.

Silverado Aquifer - The Silverado Aquifer is present throughout the study area. The Silverado Aquifer ranges in thickness from 110 feet to 290 feet and first occurs at deputs between 420 feet bgs to the north and 800 feet bgs to the south. Beneath the Cooper Druff site, as projected from cross-section lines B-B' and L-L', the Silverado Aquifer first occurs at a depth of between 580 feet bgs and 600 bgs. This aquifer consists of yellow, brown, blue, and gray gravels, sand, silt and clay. The Silverado Aquifer is one of the most important producers of groundwater in the area. The hydraulic conductivity of silverado Aquifer ranges up to 1x10-1 cm/sec. The Silverado Aquifer is separated from the





Sunnyside Aquifer - Although only a few wells have been drilled into the Sunnyside Aquifer in the study area, this aquifer is thought to occur throughout the study area. The Sunnyside Aquifer is approximately 240 feet thick and first occurs at depths of between 720 feet bgs to the north and 1,200 feet bgs to the south. Beneath the Cooper Drum site, as projected from cross-section lines B-B' and L-L', the Sunnyside Aquifer first occurs at a depth of approximately 1,060 feet bgs. This aquifer is composed of coarse grained sands and gravels with interbeds of sandy clay and clay.

REFERENCES

DWR, 1961, California Department of Water Resources, Southern District, Bulletin 104: Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County, Appendix A, Ground Water Geology.

Groundwater Technology, Inc., 1987, Enhanced Natural Degradation (END TM) Implementation Plan at General Motors Facility, Southgate, California, November 16, 1987.

LADPW, 1978, Los Angeles County Department of Public Works, Coastal Plain Shallow Aquifer Groundwater Contour Map for Fall 1978.

LADPW, 1992, Los Angeles County Department of Public Works, Coastal Plain Deep Aquifer Groundwater Contour Map for Fall 1992.

W.W. Irwin, Inc., 1988, Site Investigation Report at Shell Service Station, 9854 N. Long Beach Blvd. at Tweedy, South Gate, California, December 5, 1988.